

The image shows the front cover of a record book. The cover is decorated with a repeating geometric pattern of interlocking squares and diamonds, creating a lattice-like structure. The word "RECORD" is printed in a bold, sans-serif font in the center of the cover. The cover has a dark, possibly black, border around the edges. The overall design is simple and functional, typical of mid-20th-century record books.

VIRGINIA

Shenandoah Nat. Park, Thornton Gap, head of Hazel Hollow, Big Meadows Camp Ground, Big Meadows Bog, David Spring, Big Meadows	23385-23474 ...	52-67
- Spitlers Knoll, Crescent Rock, Skyline Drive w. of Pass Mountain, Jeremy's Run Overlook, Upper Overall Run, Bear Wallow	23475-23507	66-73

MARYLAND

College Park roadside	23508	72-73
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VIRGINIA

Fairfax Co., Sleepy Hollow, Accotink Creek, bet. Ravensworth Station and Accotink Creek, Elkins, Great Falls of the Potomac, n.w. Hemlock Spring Overlook, Big Meadows Camp Ground	23508a-23577 ..	72-83
Shenandoah Nat. Park, Hemlock Spring Over- look, Big Meadows Camp Ground, saddle s.w. of Hawksbill Mt. n. of Spätker Knoll, Rock Spring Shelter, Appalachian Trail w. slope Hawksbill Mt., Lewis Spring Shelter, canyon wall below Lewis Spring Shelter, falls of upper Hawksbill Creek, Swift Run Gap, near Crescent Rocks 23578-23695 ..	82-103	
- Headwaters of Thornton River below Thornton Gap, David Spring, Big Meadows, Big Meadows Bog, Big Meadows Camp Ground, Booters Gap	23696-23740	102-111
- Skyline Drive at Bush Mt., n. of Lewis Mt. Picnic Ground, Kites Deadening, Swift Run Gap, n.e. of Simmons Gap, Rocky Mountain Run, s. of Beagle Gap, Scott Mt. (Overlook)	23759a-23773	116-119

Collection and Field Note Book

No. 13

Feb. 20, 1945 - Oct. 21, 1945

(Nos. 23145 - 24224)

ECUADOR

<u>Santiago Zamora</u> , Camillones, Rio San Francisco, Quebrada Honda, Consuelo w. side of valley of Rio Zamora	23145-23183	2-11
<u>Prov. Loja</u> , ridge bet. Quebrada Jipiru and Rio Jamora Cordillera Zamora (el Condor), Rio Paquishapa, e. of Zaraguro	23184-23193	10-11
<u>Prov. Azuay</u> , s. of Oña, along Rio Cumbe, slopes of Volcan Pichincha, <u>Prov. of Pichincha</u>	23194-23240	12-19

VIRGINIA

<u>Fairfax Co.</u> , Sleepy Hollow	23241-23246	20-21
<u>Falls Church</u> , Sleepy Hollow, Fort Buffalo ..	23247-23282	22-29
<u>Loudoun Co.</u> , Ashburn	23283-23301	28-33
<u>Fairfax Co.</u> , Sleepy Hollow	23302-23307	32-35

CONNECTICUT

<u>Litchfield Co.</u> , Hemlock Ridge	23308-23316	36-37
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VIRGINIA

<u>Fairfax Co.</u> , Annandale Road and Holmes Run, w. of Holmes Run and s. of Lee Boulevard, Sleepy Hollow	23317-23371	38-49
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MARYLAND

<u>Prince George Co.</u> , Plant Industry Station, Beltsville	23372-23384	48-51
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Pages

VIRGINIA

<u>Shenandoah Nat. Park</u> , Thornton Gap, head of Hazel Hollow, Big Meadows Camp Ground, Big Meadows Bog, David Spring, Big Meadows	23385-23474 ...	52-67
- <u>Spitlers Knoll</u> , Crescent Rock, Skyline Drive w. of Pass Mountain, Jeremy's Run Overlook, Upper Overall Run, Bear Wallow	23475-23507	66-73

MARYLAND

<u>College Park</u> roadside	23508	72-73
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VIRGINIA

<u>Fairfax Co.</u> , Sleepy Hollow, Accotink Creek, bet. Ravensworth Station and Accotink Creek, Elkins, Great Falls of the Potomac, n.w. Hemlock Spring Overlook, Big Meadows Camp Ground	23508a-23577 ..	72-83
<u>Shenandoah Nat. Park</u> , Hemlock Spring Overlook, Big Meadows Camp Ground, saddle s.w. of Hawksbill Mt. n. of Spitler Knoll, Rock Spring Shelter, Appalachian Trail w. slope Hawksbill Mt., Lewis Spring Shelter, canyon wall below Lewis Spring Shelter, falls of upper Hawksbill Creek, Swift Run Gap, near Crescent Rocks	23578-23695 ..	82-103
- <u>Headwaters of Thornton River</u> below Thornton Gap, David Spring, Big Meadows, Big Meadows Bog, Big Meadows Camp Ground, Bootens Gap	23696-23740	102-111
- <u>Skyline Drive</u> at Bush Mt., n. of Lewis Mt. Picnic Ground, Kites Deadening, Swift Run Gap, n.e. of Simmons Gap, Rocky Mountain Run, s. of Seagle Gap, Scott Mt. (Overlook)	23759a-23773	116-119

Collection and Field Note Book

No. 13 (Cont'd)

VIRGINIA

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Shenandoah Nat. Park, Thornton Gap, Booten's Gap, Crescent Rocks, Big Meadows, Pine Fields Leanto, Skyline Drive n.w. of Pinefield Leanto, ridge from main ridge of Blue Ridge to Rocky Mt., slope of Rocky Mount, Ivy Creek below Simmons Gap 23790-23910	122-141
Culpeper Co., Culpeper 23911	140-141
Fairfax Co., Holmes Run at Lee Blvd., bank of Potomac River below Gravelly Point Airport, Alexandria, Westgrove, Accotink, woods w. of Gunston, Gunston, near Potomac River at Little Hunting Creek, Hunting Creek Estuary 23912-23966	140-153
- Sleepy Hollow, along Turkeycock Run near Fairland, Potomac River at Little Hunting Creek w. of Mount Vernon, Lee Blvd. s. of Falls Church 23967-24004	154-161
Shenandoah Nat. Park, Swift Run Gap, below Pinefield Leanto, Brown Mt. Parking Overlook, Brown Mount Overlook, n.e. ridge of Rocky Mt. 24005-24089	160-179
Rappahannock Co., just e. of Washington 24090-24091	178-179
Princess Anne Co., near western tip of Seashore State Park, Cape Henry	178-197
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Norfolk Co., Norfolk 24208	198-199
Fairfax Co., Sleepy Hollow . 24209-24213	
Arlington, bank of slough across from Washington Island, near end of Memorial Bridge 24214-24218	198-199
Fairfax Co., Sleepy Hollow . 24219-24220	200-201
Arlington Co., Arlington (Lyon Park) 24221 .	200-201

2.

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s. of Westboro	24223-24224 ...	202

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Collection and Field Note Book

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Feb. 20, 1945 - Oct. 21, 1945

(Nos. 23145 - 24224)

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(Nos. 23145 - 24224)

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w. of Holmes Run and n. of Lee Boulevard,
Sleepy Hollow 23317-23371 38-4

MARYLAND

Prince George Co., Plant Industry Station,
Beltsville 23372-23384 48-5

王王王王王王王王王王

36.4

$$+ PA -$$
$$\begin{array}{r} 36.36 \\ 38 \overline{) 32000} \\ \underline{260} \\ 560 \\ \underline{528} \\ 320 \end{array}$$
$$\begin{array}{r} 21.8 \\ 73 \overline{) 17.000} \\ \underline{156} \\ 140 \\ \underline{73} \\ 672 \\ \underline{654} \\ 180 \end{array}$$



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Nos. 73145 - 24324

Feb. 20, 1945 - Oct. 21, 1945

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R. F. D. #1, Holmes Run Rd.
Falls Church, Va
U. S. A.

Santiago James

3

1

part
of center
wing
chance?

Feb. 20 - Canillones, Rio San Francisco, Valley of Rio Zamora, 13 km. s. of Loja, Prov. Santiago Zamora
wet wooded slope

73145

Larrea securaria peruviana Benth.
edge of brushy ravine in clearing

46

Cinchona

gentle slope

47

48 *Psychotria*

49 *Lasianthus*

Feb. 20 - Quebrada Honda, first affluent of Rio San Francisco on south side above confluence with Rio Zamora, 20 km. s. of Loja, Prov. Santiago Zamora
along trail in wet wooded ravine

50

Viola

51 *Portera granadensis*

A type of cinchona called 'hoja de buga' has been harvested here. Judging from the sprouts that are left, it was a large leaved form of *C. officinalis*.

5500'

shrub 2.5 m. tall, fls. white

5700'

bare pole 3 m. tall, 8 cm. thick, with one leafy branch at top. "hoja de buga" (bark sample)
shrub, flowers in panicle, pendent, pearl gray, buds release a trickle of water when pressed gently.

small tree, flowers yellowish, fruit red. canes 1 cm. thick, hollow, tangled in shrubs and small trees.

6000'

erect except at base, fls. pale lavender with purple center. prostrate, mat forming, fruits juicy, translucent red, shiny.

37

✓ Feb. 20 - Consuelo w. side
of valley of Rio Jamora just
below ~~the~~ confluence ~~with~~
of Rio San Francisco, 22 km.
e. of Loja, Prov. Santiago Jamora
steep wet wooded slope

23152

Cinchona

edge of clearing

L 1 53

Cinchona

thick woods

L 2 54

~~edge of clearing~~
thick woods

L 6 55

Cinchona

thick woods

L 3 56

brush at edge of clearing

L 7 57

Cinchona

~~dense forest~~ thick woods

L 1 58

thick woods

L 4 59

Cinchona

brushy clearing

6400-6600

tree 12 m. tall, 20 cm. thick.
leaves thin, dull above,
turning scarlet with age.
buds purple (one almost
open has tube red)

"hoja de capuli" (bark sample)

seedling 1 m. tall, leaves
thin, purplish beneath.

stipules reflexed.

vine climbing in trees,
fruits and fls. each between

2 bracts.

single living branch
on stub 5 m. tall, 20 cm.

thick. "hoja de capuli" (bark sample
from stub). lvs. dull, green.

herb tangled in brush, bracts
and fls. white.

sprout 6 m. tall, 4 cm. thick,
from large dead stump.

old leaves scarlet, dull
above. "hoja de capuli" (bark

sample from sprout).

slender herb 1 m. tall,
fls. scarlet, corolla enlarged

and gibbous below, with
small opening.

saplings 1 m. tall, leaves dull above,
thin, scarlet in age. not flat.

Feb 20 - Rio San Francisco,
bet. Loja & ...

Canillones, 15-19 km. e. of
Loja, Prov. Santiago Zamora
banks of trail on wet wooded slope

- 23160 Muehlenbeckia
61 Coccocypselum
62 Drymaria
63

rare

- 64 Lisium
abundant

- 65 Fuchsia
abundant

- 66
rare, one plant seen

- 67
occasional

- 68 Phoraea
occasional

- 69
70 Nertera granadensis

(collected from horseback)

5300-5400

- vine, fls greenish, fruit white.
- prostrate, flowers purple, fruit blue.
- stems ascending, fls. white elongate scrambling stems, some bare except for flower clusters, corolla and staminal column bright yellow, anthers grayish.
- herb, occurring in large tangles, sap milky but not abundant, leaves orange above, fls yellow. suffrutescent herb 1-2 m tall, tangled in bushes, flowers vermilion, pendulous, fruits red when mature.
- black when ripe, shiny.
- herb, flowers bright pink.
- herb, corolla scarlet, lobes paler, staminal column white, anthers blue-gray rounded, mound like bush 1 m. tall.
- prostrate, aromatic, fls. lavender.
- prostrate, mat-forming, fls. greenish, fruits juicy, bright red, glossy, translucent.

Feb. 20 - Ridge between the
two main forks of Rio San
Francisco above bridge
Cordillera de Juma, 12-15 km
e. of Loja, Prov. Santiago Juma
wet wooded ridge

L 77171

occasional

72 *Syntherisma*

occasional in brushy places

73 *Oryzaria*

common in trail

74 *Hedyotis*observed sterile at a little lower
alt., common up to summit of trail75 *Palicourea*76 *Cinchona pubescens*
along trail

L 77

Feb. 20 - around headwaters
of Rio San Francisco, Cordillera
Juma (El Condor), 11 km e. of
Loja, Prov. Santiago Juma
low wet brushy forest on steep slope

78 *Utricularia*

vertical bank, above trail

7000 elongate shrub, leaves glaucous,
above, collar deep chrome
yellow, almost orange,
staminal column yellow
anthers bright red-purple

6500 shrub 1 m. tall, flowers
oblique,
brownish with lighter and
darker stripes in the throat
fil. white

7000

7200 mat forming, branches
erect, leaves 11-15 cm. long,
flowers pale purple or
purplish white.

7300

7500

shrub 2 m. tall, thyrses yellow, fruit green
sapling 1 m. tall, branched,
leaves dull above & peaked
tree much larger seen
nearby!

8000

(as in 7300)

7000

built like a lizard egg, but pale
translucent green calyx brownish
purple & inner purple, but white.

- 23179 *Sclandra*
earth bank
- 80 *Cinchona microplylla*
bushy crest
- 81 *Podocarpus*
occasional
- 82 *Chusquea*
common
- 83 *Podocarpus*
rare

Feb. 20 - Ridge between
head of Guachala River and
headwaters of Rio Yuma,
Cordillera Yuma (at Lander),
10 km. e. of Loja, Prov. Loja
windswept crest 7000'

- 84 *Hedyotis*
85 *Hedyotis*

Feb. 21 - Rio ~~Yuma~~ Yaguishapa, just
~~below~~ Yaguishapa, Prov. Loja
bare, badly eroded slopes

- 86 *Dodonaea viscosa* L.
87 *Drymonia*
88 *Hedyotis*
23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

- prostrate much like shrub,
fls. purplish-brown.
tree 4 m tall, erect, leaves
glossy, venose beneath,
veins impressed above,
petioles and veins red, old
leaves reddish.
sterile bushes 3 m. tall,
leaves not distinctive.
tangled mass to 2 m. deep,
the only clump seen in
fruit in the region.
tree 10 m tall, leaves
distinctive, sterile
but bearing ~~or~~ cone-like
galls.

flowers white, longistylous.
flowers white, brevistylous
anthers purple.

7900'

- shrub, 1 m. tall,
fls. white
fls. white
(series to show variation)
(not differences in leaf size
- usually of inf.)

Feb. 21 - south of Oña, slope
above Tablon de Osa, Prov. Azuay,
dry brushy overgrazed slope

8700

23194 Croton

common

low depressed bush

shrub

95 Dodonaea viscosa

common

96 Cardiospermum ramosissimum

97 Poa

98 Pellaea ternifolia

99

23200 Lagotis

01 Hypericum

02 Evolvulus

03 Vismaria

04

05 Galvia

06 Galvia

common

07 Hedysotis

very abundant, apparently
not eaten by cattle

09 Hedysotis

(same)

F. 20.

prostrate

tufts, infl. purple

fls. purplish white with
deep purple calyx

fls. white, petals bifid

fls. yellow

prostrate, fls. bright blue

deep tap root, fls. white

fls. purple, base yellow distally

fls. blue

erect clumps fls. cream-

yellow.

mass collection to show

proportions of longistylous

and brevistylous ~~flowers~~

plants each two representing

a clump. ^{colony of} 52 brevistylous -

cf. #23202. proportions

varied from one place to

another in colony. buds

varied from pale pink to red.

same, cf. #23207, - 51 longistylous.

Smith
M. J. G.

Feb. 21 - Tablon de Oña, s. of
Oña, Prov. Azuay
dry overgrazed gentle slope -
foot of hill. 8250

23209 Calliandra

10 Lantana

11 Verbena

12

13 Hedysotis

abundant, apparently not
eaten by cattle

14 Hedysotis
rare

15

Feb. 21 - Tablon de Oña, s. of
Oña, Prov. Azuay 8250
open field, gentle slope,
extremely overgrazed

15 Mimosa

16 Hedysotis

abundant

17 Hedysotis

abundant

- fls. bright red.
- prostrate, fls. golden yellow.
- prostrate, fls. rose-pink.
- fls. rose-pink

mass collection, each twig
from different clump, to show
proportion of longistylous
and brevistylous plants.

50 brevistylous - fls. white.

c.f. #23214.

same as #23213 - 53 longistylous

flowers pink.
mass collection to compare
proportions of longistylous
and brevistylous ~~plants~~
plants, each twig from a
different clump. taken at
random - plants prostrate,
buds pink, fls. white.

53 brevistylous - c.f. #23217

same as #23216 - 48 longistylous

with yellowish
mud Feb. 21 - grade above Cumbre,
km. 36, along Rio Cumbre, lat
3° 8' S., S. of Cuenca Prov. Zing
brushy slope 10000'

23 212 Valeriana
dominant in brush

- 19 Asplenium
- 20 Polypodium
- 21 Galium lythocarpum
- 22 Galium
- 23
- 24 Eupatorium
- 25 Drymaria
rare in turf

Feb. 25 - slopes of Volcan
Pichincha above Quito, Prov.
Pichincha 10000' - 11700'

- 26 in trail on black earth
- 27 *Corymba pilosa*
in small opening in tall
bush, moist soil, abundant
locally.
- 28 *Galium*
in moist bush, small opening
- 29 *Corymba pilosa*
in shade ~~in~~ on ground
in moist tall bush,
abundant locally

shrub 4 m tall, with
many straight erect
branches with numerous
leafy branchlets, fls.
whitish, clusters with
a smoky grayish cast,
odor of plant unpleasant
sweet

prostrate, fruit orange, fleshy
prostrate, fruit green.
prostrate
prostrate, fls. white
fls. white.

- 11500' prostrate
- 11700' extensively creeping,
prostrate, with tips
of branches turned up,
fls. greenish, monocious,
fruit greenish.
- 11700' tangled in bush, flowers
reddish.
- 11700' extensively creeping,
ends of branches turned up,
fls. greenish, monocious

- 23230 *Manettia*
moist brush
- 31 *Galium*
earth banks above trail
- 32 *Nertera*
earth banks above trail
- 33 *Eryngium humile*
open grassy hilltop
- 34
open grassy hilltop
- 35
vertical earth bank
- 36 *Hedyotis*
very abundant on grassy slope
- 37
brush along trail-side
- 38
trail side on grassy slope
- 39 *Drymaria*
vertical bank above trail

March 7 - Malecón Park,
Guayaquil, Guayas

40

cultivated in park

0 m.

- 11700' vine climbing through
bushes, fls. white.
- 11600' fruits pale green.
- 11600' prostrate, leaves thick,
coriaceous, flowers greenish,
fruit dark red, juicy.
- 11700' bracts greenish-white
above, fls. dull bluish.
- 11700' fruits turning purplish
brown.
- 10000' corolla white, calyx deep
purple.
- 10300' dwarf shrub, fls. white
"mante", 3-lobed and 5-lobed
fls. considered good luck.
- 11000' herbaceous vine climbing
in brush, much-branched,
fls. green, lobes reflexed.
fruit green, fleshy.
- 11500' forming ^{soft} cushion, fls.
greenish, fruit green.
- 10100' diffuse, pubescent
whitish.

small tree 5 m. tall, 10 cm.
thick, leaves all pointing
downwards, back to back,
pale beneath, petals white,
slightly crisped, anthers
yellow, fruit immature.
(stamens separate)

March 18 - Sleepy Hollow
Road where it crosses
Tripp's Run, 1 1/2 mi. s.
of Falls Church, Fairfax Co.

- 23241 *Ulmus americana*
wooded bottom land
along stream.

March 19 - north side of
Tripp's Run, 1 mi. s. of Falls
Church, Fairfax Co.

- 42 *Populus*
open woods above the
level of bottom lands, gentle slope

March 19 - Sleepy Hollow Road
south of Tripp's Run, 1 1/2 mi.
s. of Falls Church, Fairfax Co.

- 47 *Salix humilis* Marsh.
small colony at edge of woods
48 *Salix humilis* Marsh.
small colony at edge of woods

March 24 - Sleepy Hollow, along
Tripp's Run, 1 mi. s. of Falls Church
Fairfax Co.

- 45 *Lindera benzoin*
swampy woods

same 1.5 mi. s. of Falls Church

- 46 *Ulmus americana* L.
wooded bottom land along stream

tree 30 cm. thick, 7 m. tall,
flat topped with drooping
branches.

small colony of large
trees 50 cm. thick, 20 m. tall,
(could not be climbed so
leaves and catkins were
picked up).

bushes 1 m. tall, ♂

bushes 1.5 m. tall, ♀

bush 2 m. tall, fls. lemon
yellow, stems aromatic when broken.

Tree 30 cm. thick, 7 m. tall
(same tree as #23241) fruit green.

March 29 - Falls Church,
Fairfax Co.

- 23247 *Spiraea thunbergii* Sieb. ?
cultivated

March 30 - Sleepy Hollow, along
Tripp's Run, 1.5 mi. s. of Falls
Church, Fairfax Co.

- 48 *Stellaria pubera*
sterile pebbly bank, edge
of woods
49 *Prunus americana*
slope just above stream

April 1 - same loc. 1 - 1.5 mi. s.

- 50 *Vaccinium atrococcum* Heller
swampy woods, occasional
51 *Symphlocarpus foetidus*
abundant, swampy woods
52 *Vaccinium atrococcum* Heller
swampy woods, occasional
53 *Vaccinium atrococcum* Heller
swampy woods, occasional
54 *Dentaria*
wooded bottom - land
near stream
55 *Draba (Crophila) verna*
moist pasture
56
rocky slope in pasture
57 *Salix*
marsh with shrubs

shrub with long
wand-like branches,
petals white.

fls. white

shrub 4 m. tall,
fls. white.

1 m. tall, fls. greenish-pinkish-white

~~1.5 m. tall, fls. pinkish-white~~
spathe mottled bronze, plant
with foul odor when broken
bush 1.5 m. tall, fls.
pinkish white.
bush 2 m. tall, fls. greenish
white, slight tinge of pink.
fls. pinkish white,
rhizome ~~scattered~~ moniliform
disarticulating
fls. white

tree 8 m. tall

bush 3 m. tall

Apr 8 - same loc.

- 23258 *Hedyotis caerulea* (L.) Hook.
open weedy acid slope

- 59 *Eleocharis*

low wet place in pasture

- 60 *Pinus pungens* Lamb.

open old field with
scattered young pines
and a few deciduous trees

- 61 *Pinus virginiana* Mill.
same

- 62 *Pinus echinata* Mill.
same

- 63 *Ranunculus*

low wooded bottom-land

- 64 *Luzula campestris* var. *bulbosa*

Cut. over slope, scattered trees

- 65 *Viola*

common under trees in
abandoned orchard

- 66 *Antennaria plantaginifolia*
earth bank along road
through woods.

- 67 *Ulmus americana* L.
wooded bottom-land along
stream

flowers lavender with
yellow throat
mass coll. to illustrate
ratio of brevistylous to
longistylous flowers.
dense carpet

tree 6 m. tall. (=Ewan 17118)

Tree 5 m. tall (=Ewan 17119)

tree 8 m. tall, twigs with
tufted appearance. (=Ewan 17120)
stems succulent, erect,
petals yellow. (=Ewan 17126)
caespitose

caespitose, rhizomes thick,
fleshy, flowers deep
violet, center white,
lower petal ~~with~~ with
white part with
dark violet reticulation.
[(=Ewan 17127)]

tree 30 cm. thick, 3 m. tall,
flat topped. fruit mature
(same tree as # 23241, 23246)

April 15 - same loc.
second-growth wooded slope,
mixed woods, rather open,
undergrowth sparse because
of former fires.

23768 *Vaccinium vacillans* Torrey
(contaminated with *V. atrococcum*)

69 *Gaylussacia baccata*
abundant

70 *Rhododendron nudiflorum*
common

71 *Vaccinium vacillans* Torrey
(contaminated with *V. atrococcum*)

~~72 *Rhododendron nudiflorum*~~

72 *Rhododendron nudiflorum*
common

73 *Vaccinium vacillans* Torrey
(perhaps slightly contaminated
with *V. atrococcum*, slight pubescence
on petioles)

74 *Rhododendron nudiflorum*
common

75 *Vaccinium stamineum*
rare, one plant seen

76 *Vaccinium vacillans* x *atrococcum*
dense woods of *Pinus virginiana*,
not burned over.

Vaccinium atrococcum found in
bottom-land several hundred feet
away. Differences in *Rhododendron*
colors evident even in bud.

plants 1-2 dm. tall, leaves
green, flowers greenish-white
tinged with pink.

plants 3-5 dm. tall, or
more, fls. orange red,
greenish tinged.

odor unpleasant - this plant ^{with} almost white
flowers, pinkish stamens, rose style

plants 2-3 dm. tall, leaves
reddish green, flowers
greenish pink.

corolla tube pink, lobes
very pale, stamens pink,
style rose. odor unpleasant

plant 3 dm. tall, leaves
green, flowers greenish
white, turning reddish
with age.

corolla tube deep rose,
lobes pink, stamens and
style rose, odor unpleasant.

(this color most common)
flowers white.

bush 6 dm. tall, flowers
greenish-white, tinged
with pink

April 16, Fort Buffalo, 1 mi.
s.e. of Falls Church, Fairfax Co.
edge of woods along road

23277 *Pyrus arbutifolia*

78 *Lonicera glauca*

79 *Robinia pseudoacacia*

80 *Paulownia tomentosa* (Thunb.) Baill.

April 16 - Sleepy Hollow,
1 mi. s. of Falls Church, Fairfax Co.
old field with scattered
young pines and a few
young deciduous trees.

81 *Hedysotis caerulea* (L.) ~~Forst.~~ Hook
common

82 *Luzula campestris* var. *bulbifera* ~~Willd.~~
clony under pines

April 19 - Ashburn, 6 mi. s.e. of
Leesburg, Loudoun Co.
abandoned clearing in pine
woods on red sterile soil
formed from weathered red
Crinoid shale

83 *Cardamine arabis*

84 *Carya*

shrub 2 m. tall, fruit immature
vine climbing in bushes,
leaves glaucous beneath,
tree 5 m. tall, flowers
fragrant, petals white,
calyx reddish,
tree 6 m. tall, panicles
erect, flowers lavender,
pale within, petals yellow

mass coll. from which
description of fresh material
was written.

tufts, rhizomes bearing
white tubers.

glaucous, flowers white.
tree 8 m. tall, 10 cm. thick, bark
not especially rough.

- 23285 *Laxifraga*
 86 *Ranunculus*
 87 *Ranunculus*
 88 *Arabis*
 89 *Veronica*
 locally abundant
 90 *Viola*
 rare
 91 *Viola kitaibeliana*
 locally abundant
 92
 92 *Rugia virginica*
 locally abundant
 93 *Vaccinium stamineum*
 common
 94 *Antennaria plantaginifolia*
 common
 95 *Potentilla simplex*
 common
 96 *Hedysotis caerulea* (L.) ~~Fenzl~~ Hook.
 common
 same pine woods with little undergrowth
 97 *Vaccinium*
 common

- flowers white
 fls. yellow, leaves dull
 (growing with #23287)
 - fls. yellow, leaves glossy
 (growing with #23286)
 - flowers white
 erect, ~~corolla~~ ~~petals~~ blue-violet.
 - falling very readily.
 flowers violet
 flowers lavender, paler
 toward center, and with yellow
 eye, lower petals with
 dark purple lines.
 - flowers orange, closed
 - at 4:00 p. m.
 bushes from 3 to 10 dm. tall.
 this one about 8 dm., flowers
 white)
 - stems decumbent, scapes erect
 flowers bright yellow,
 petals varying from
 emarginate to round at
 apex. This is not a good
 distinguishing character.
 - small tufts and solitary
 plants, flowers lavender
 with yellow eye.
 - on soil derived from red triassic shale
 3-5 dm tall, fls. pale green to
 reddish, clones appear quite
 uniform except that some
 apparently similar but
 sterile are almost glabrous

23298 *Vaccinium*
several clones seen

99 *Vaccinium*
several clones seen

23300 same loc. ^{weedy} roadside
Acer negundo
seedlings common

01
occasional in tall grass
and weeds.

Apr. 20 - Slacksy Hollow
old field

X 02 *Lonicera bella* Zabel. f. *candida* Zabel
old field with scattered brush
and small trees; several
plants of varying ages
seen in vicinity.

Apr. 21 same
old field with scattered
pine,

03 *Pinus echinata*

bush 5-6 dm tall, flowers
~~pink~~ greenish white,
slightly pinkish
(with #23297 but less
common; leaves slightly
thicker, plant coarser)
bush 5 dm tall, flowers
greenish-white, slightly
pinkish. (like 23298
but from a different
clump)

tree 6 m. tall fruit
clusters pendent.
flowers white

(*Lonicera* ?
marrowii)

shrub 1 m. tall, flowers
white, turning yellowish
with age, only faintly
fragrant, corolla lobes
somewhat revolute,
four of them directed
above the horizontal, one
downward

tree 8 m. tall. (same
tree as #23262)

23304 *Arisaema*
 same loc
 wooded bottom land

(Preliminary observations on this mass coll show that ♀ and ♂ plants are much less numerous than ♂; that many factors assorted at random are responsible for color pattern, that glaucous, dull, and clear green under side of blade is not correlated with anything else. No conclusions were reached as to correlation of width of leaflet base, width of flange and shape of flaps.)

April 25 same loc.

05X *Lonicera bella* f. *candida* Zabel. (tatarica x monowii)
 roadside

06 *Veronica*
 weed in lawn

07 *Prunus serotina*
 common in
 second-growth woods

mass collection of
 1 infl. and 1 leaf from 103
 many plants. These
 examined fresh and notes
 made for each on
 color of peduncle, color pattern
 of spathe inside and out,
 color pattern of spadix
 appendage, color of
 rachis of spadix, sex
 of plant, color of anthers
 and stigmas, color
 of petiole and main
 veins of leaves, and
 whether or not leaf-blade
 are glaucous beneath.
 (and on some plants is, acc.
 Stevenon, *Uromyces caladii*)

bush 2 m. tall, flowers
 cream white, turning
 yellow with age.
 corolla ~~flowers~~ white, falling easily
 small tree 3 m. tall,
 petals white, concave.
 (much larger trees in vicinity).

Apr. 30 - Hemlock Ridge, 4 mi.
w. of New Milford, 9 mi.
n. of Danbury, on
Candlewood Lake, Litchfield Co. Conn.
wooded slope and open meadow 100 m.

23308 *Anemone quinquefolia*
moss cushion in low
brush in meadow, with #23309

09 *Anemone quinquefolia*
common in low brush
in meadow

{10 *Hedysotis caerulea* (L.) ^{Hoot} 7-9 ♂

{11 *Hedysotis caerulea* (L.) ^{Hoot} 7-9 ♀
common in meadow,
forming conspicuous patches

12 *Hedysotis caerulea* (L.) ^{Hoot} 7-9
wet opening on thinly
wooded slope, scarce

13 *Ranunculus abortivus*
opening on thinly wooded slope

14 *Trillium*
opening on thinly wooded
slope, common (with #23315)

15 *Trillium*
(with #23314)

16 *Arisaema*
common on thinly wooded slope
and stigmas, sex of flowers,
color of petiole and main
veins of leaf, and whether
leaf-blade is ^{light} green, dull
or glaucous beneath.

flowers white, leaves
purplish. rhizomes
white, growing tips breaking off easily.
flowers white, leaves
green, rhizomes white,
growing tips breaking off
easily.

color of corolla limb
varying from bright
lavender to almost white,
with lobed yellow eye.

fls. lavender with
yellow eye

petals yellow, small

petals wine-purple.

petals wine-purple
mass collection to show
variation, 1 leaf and 1 infl.
from 50 individuals. These
examined fresh and notes
made on color of peduncle,
color pattern of spathe inside
and out, color pattern of
sterile appendage of spathe,
rhachis, color of anthers

May 6 - Where Annandale Road
crosses Holmes Run, $2\frac{1}{2}$ mi.
S.W. of Falls Church, Fairfax Co.
old clearing near stream

23317 *Ranunculus*
small colony

18 *Carex*
common in sparse grass

19 *Arisaema*
very common, but only two
plants seen which had
not been frostbitten.

May 6 - west of Holmes Run
on small tributary just
south of Lee Boulevard, $2\frac{1}{4}$
mi. S.W. of west of Falls
Church, Fairfax Co.

sparsely wooded bottom
land and open pine woods.

20 *Cypripedium acaule* L.
common under pines

21 *Vaccinium stamineum* L.
occasional under pines

22 *Mitchella repens* L.
common under pines

base of plant not enlarged,
flowers bright yellow,
petals glossy above.
- roots slender
tufts, culms spreading

larger plant with stems,
petioles, spathe and
spadix entirely green,
flowers ♀, stigmas white;
smaller also green except
inside of flap of spathe
slightly bronzed, ~~and~~
flowers ♂, anthers deep
purple. leaves of both
green beneath, larger
one glossy.

leaves light green, petals
and sepals deep bronze,
- lip varied magenta-pink.
- bush 7 dm tall, flowers
- white.
- prostrate, berries scarlet.

- 23323 *Ranunculus abortivus* L.
common in bottom land.
- 24 *Krigia virginica*
rare in openings in bottom land
- 25 *Ranunculus*
common in wet bottomland
and in water
- 26 *Hedysotis caerulea* (L.) Hook.
common in openings

May 7, 1945 - Sleepy Hollow,
1 mi. S. of Falls Church

- 27 *Luzula campestris* var. *bulbosa* Walt.
under pines in old field
(same colony as # 23282)
- 28 *Hedysotis caerulea* (L.) Hook.
under pines in old field
(same colony as # 23281)
- 29 *Vicia*
dense colonies along roadside

Same May 24

- 30 *Lonicera bella* Zabel f. *candida* Zabel
weedy old field with
scattered young trees.

Same May 31

- 31 *Gratiola*
f. subsoil fill where sewer
has been laid through
wooded bottom land.

petals yellow, short.

flowers orange

petals yellow, short.

corolla lobes lavender
above, with yellow 9-lobed
eye, each lobe bi-lobed.

rhizomes bearing small
white tubers.

fls lavender with
yellow eye.

weakly erect, flowers
magenta

bush, m. tall, fruits
scarlet, translucent.
(same bush as # 23302)

plant succulent,
fragrant, corolla tube
curved, prismatic, greenish
yellow, limb white.

June 4, Sleepy Hollow, 1 mi.
S. of Falls Church

- 23332 *Allium vineale*
common in disturbed ground
in wet wooded bottom-land.
- 33 *Ligustrum*
single plant in wet
wooded bottom land
- 34 *Carex*
slope in pasture
- 35 *Veronica*
common on slope in pasture
- 36 *Specularia perfoliata*
occasional in pasture
smaller plants in rocky
place.
- 37 *Morus*
as tree on slope in pasture
- 38 *Asplenium*
rocky place in pasture
- 39
common on slope in pasture
- 40 *Malva*
common in trampled
place in pasture
- 41 *Lisymbium*
common in trampled
place in pasture
- 42 *Panicum*
old field, somewhat brushy
- 43 *Danthonia spicata*
old field, abundant
- 44 *Ulmus americana*
bottom-land and second-growth
thickets, occasional

flowers clear lavender

shrub 1 m. tall,
flowers white, somewhat
unpleasantly fragrant.
spreading tufts

fls. bluish, ephemeral

flowers deep purple.

tree 8 m. tall - (same tree
as #23326)

fertile fronds erect

flowers white, 2 mm.
across.

flowers lavender,
glabrous within.

flowers yellow.

tufts

Mass collection to show
variation in pubescence & leaf
outline. Largest leaf of distal
5 selected from twig on lower branch.

- same loc. June 6
 23345 *Ulmus*
 old field growing up to
 young trees and brush

June 6. Heapsy hollow, 1 1/2 mi.
 S. of Fall Church, Fairfax Co.
 46 *Hedysotis purpurea* (L.) T & G
 along road in second-growth
 woods.

- 47 *Ceanothus*
 along road in second-growth
 woods.
 48 *Ulmus americana*
 wooded bottom land along
 stream

- June 10 - same loc. 1 mi. S. F.C.
 49 *Penstemon*
 old field, rather wet,
 burned several years
 ago - large colony.

- June 12 - same loc.
 edges of thickets in old
 field, top of low ~~brush~~ rise
 50 *Trifolium*
 abundant
 51 *Trifolium*
 common

mass coll. of largest
 leaf of terminal 6 on twigs
 from about 1-6 m. tall
 saplings.

mass collection, one shoot
 from each clump in
 an area of 1/4 acre.
 flowers purplish pink,
 plants caespitose.
 clumps up to 0.8 m. tall.
 flowers white.

tree 8 m. tall (same
 tree as #23241, 23246, 23267)

erect, flowers dull
 purplish on upper
 side of horizontal corolla,
 pale, glossy and
 sulcate beneath.

flowers lemon yellow

flowers chrome yellow.

46

1945 - Virginia - Maryland

- 23352 *Hedyotis purpurea* (L.) T. & G.
occasional
53 *Hedyotis purpurea* (L.) T. & G.
occasional

June 15 - Plant Industry
Station, Beltsville, Md.

- weedy orchard and roadside
54 *Potentilla recta*
roadside, scattered
55 *Oxalis*
orchard
56 *Lilene cucubalus*
orchard, small colony
57 *Lepidium*
orchard
58 *Lilene*
orchard, rare
59 *Rumex*
orchard
60 *Juncus*
abundant in orchard
61 *Polygonum*
orchard

June 17 - Sleepy Hollow, 1 mi.
S. of Falls Church, Fairfax Co. Va.

- 62 *Asclepias*
one plant seen on wooded knoll
at edge of woods
63 *Lysimachia*
disturbed ground, opening
in woods

Fairfax Co. - Prince George & 47

These colls.
basis of
description
of living
plants.

brevistylous, flowers
lavender.
longistylous, flowers lavender.

several erect stems
from root crown.
erect from decumbent
base, flowers yellow.
decumbent to ascending,
flowers white.
erect, mostly leafless.

calyx with deep red
veins.
flowers yellow.
plants spreading by
rhizomes
- dense tufts.

flowers pinkish

corolla bronze without,
~~calyx~~ green within, hood & horns
- bronze-purple, sap milky.
erect, corolla bright
yellow, red ~~at base~~ in center

48

1945 - Virginia - Maryland

73364 Penstemon

rare in low pasture

65 Rhus

low swampy woods

66 Geum

low swampy woods

67 Lysimachia

low swampy woods

69 Carya

pasture

69 Matricaria

common in pasture, not
much eaten by cattle.

June 20 same loc.

70 Penstemon

old field, rather wet, burned
several years ago

71 Oxysplendium arboreum

old nursery site,
obviously persisting
from nursery stockJune 22 - Plant Industry Station,
Beltsville, Md.

weedy banks along road

72 Medicago lupulina

73 Achillea millefolium

wet ground

74 Apocynum cannabinum

small colony

75 Verbascum

not seen

Fairfax Co. Prince Georges 4!!

corolla white

large shrub, 3 m.

Tall. fls. yellow-green

erect, flowers yellow,
reddish in center.

tree 12 m. tall, 25 cm

thick, ~~cracks~~ bark

- slightly scaly.

- rays white, disk yellow.

erect, fls. very pale lavender

small tree 2.5 m. tall.

- prostrate, ^{tips ascending} flowers yellow
heads whiteleaves ascending,
- flowers whitish.
flowers yellow

50

1945 Maryland

27376 *Trifolium*
common77 *Achillea millefolium*
dry ground78 *Barbarea verna*
same weedy orchard79 *Poa compressa*
abundant80 *Melilotus*

81

abundant
82 *Phytolacca americana*83 *Trifolium hybridum*84 *Convolvulus*

Prince Georges Co.

51

Plumosa aurifolia
heads white~~leaves~~ caespitose,
leaves erect
not tuftedherb 1.5 m. tall,
flowers yellow.
densely caespitose~~the~~ herb 1.5 m. tall,
fls whitish.
flowers ^{all} pink
vine prostrate on ground
and twining on ~~the~~ weeds.
flower white, stigma
of 3 enlarged, pointed
lobes.

June 23 - Thornton Gap,
headwaters of Thornton River.

690 m.

edge of cleared roadside,
23385 *Cornus alternifolia*

86. *Populus deltoides* Marsh.

87. *Philadelphus*
persisting from old habitation?

88 *Hedysotis*
grassy roadside ditch

June 23 - head of Hazel
Hollow, east slope of
The Pinnacle

980 m.

road cut
89. *Potentilla recta* L.

90 *Hedysotis*
common

91 *Hedysotis*
one tuft seen

92 *Hedysotis*
one tuft seen

Big Meadows Camp Ground,

grassy open woods 1100 m.
93 *Lisyrinchium*
grassy open woods

small tree 4 m. tall, leaves
glaucous beneath,
cymes fleshy, reddish-green,
fruits green.

small tree 5 m. tall
~~peduncle~~ petioles vertically
somewhat flattened.
bush 3 m. tall, petals
white, almost all shed.
small tufts, flowers
violet

flowers subfur-yellow
caespitose, flowers
violet
caespitose, flowers
white
caespitose, flowers
lavender.

fls. pale blue without,
blue-violet within,
roots yellow.

23394 Anemone
95 Hedysotis

96 Geranium

June 23 - Big Meadows Bog

open bog surrounded
by low dense woods
of *Betula populifolia*
and *Crataegus* ^{surrounded} by grassy meadow

97 Vicia

open meadow

98. *Ranunculus abortivus*
open meadow

99. *Corylus americana*
abundant around edges
of woods.

23400. *Pyrus coronaria*

in open part of ~~the~~ bog

01. *Spiraea*

abundant in open part of bog

02. *Holcus lanatus*

occasional in grassy
edge of bog

03

in muddy open part of bog

04. *Galium*

in muddy open part of bog

05. *Carex*

in muddy open part of bog

— sepals greenish, white
small tufts, flowers
varying on different
plants from white
to pale violet.
flowers purplish

— weak stemmed
flowers violet.
erect, past flowering.

— bushes 1-1.5 m. tall

shrub 6 dm. tall,
— petals white, fruit green.
shrub 1 m. tall,
flowers white.

dense tuft

erect, flowers white
spreading tuft.

- 23406 *Carex*
muddy open part of bog
- 07 *Panicum*
muddy open part of bog
- 08 *Salix*
open part of ~~so~~ bog
09. *Juncus verticillatus* L.
abundant in open part of bog
10. *Callitriche heterophylla*
in small pool
11. *Juncus*
in small pools
12. *Oenothera fruticosa* L.
common in open muddy part
of bog
13. *Juncus verticillatus* L.
abundant in open part of bog
14. *Danthonia spicata*
in openings in birch woods
15. *Pinus virginiana* Mill.
rare in birch woods
16. *Panicum*
common in birch woods
17. *Pyrus coronaria*
occasional in birch woods.
18. *Pyrola*
common in birch woods

dense tussock

scattered solitary culms
and very small tufts
small tree 4 m. tall

forming beds, larger
perianth segments
pale blue-violet with
yellow claw, smaller
— without the yellow.
submerged portions
with linear leaves,
emersed tips with
— broad leaves
— quills terete, flat on
ventral side.
clumps, flowers
bright yellow.

perianth segments
blue-violet, with
larger ones with ~~yellow~~
yellow claw

tree 5 m. tall

small exceedingly
thorny tree 3 m. tall.
— sterile
forming colonies under trees

23419. *Convolvulus spithameus*

rare in birch woods and around
outskirts

20 *Salix*

outskirts of birch-woods

June 24 - David Spring, Big
Meadows,

mud below spring
21. *Veronica anagallis-aquatica*

22 *Juncus effusus*

23. *Epilobium adenocaulon*

24. *Polystichum acrostichoides*
shaded rocky wet place.

25 *Thalictrum*
edge of woods, not muddy.

26. *Troutvetteria carolinensis* (Walt.) Vail.
wet woods

27 *Thalictrum*
edge of woods, not muddy

28 *Sisyrinchium*

29 *Thalictrum*
edge of woods, not muddy

30 *Thalictrum*
edge of woods

erect, not twining,
flowers white, stigma
branches long. Thickened.
shrub 1.5 m. tall,
leaves glaucous,
venulose beneath,
veins impressed above.

erect from decumbent
base, flowers pale bluish
lavender.

mass collection of
a single well developed
inflorescence from
each of many clumps.
and herbarium specimen
all from one clump.
flowers lavender pink
striped with white.

fruits glaucous - purplish.

flowers cream-white

fruits green

fls. bluish, ~~pink~~ paler
without

fruits purplish - glaucous

fruits purplish - glaucous

23431. *Arisaema*
wet woods

32. *Thalictrum*
wet woods

33. *Habenaria fimbriata* (Ait.) L. Br.
wet opening in woods.

34. *Petula lutea* Michx.
common in woods

35

open mud
36. *Juncus tenuis*
open mud

37

open mud, common

38. *Veronica*

by spring in grass
39. *Petula populifolia* Marsh.
dry slope above spring

June 24 - Big Meadows Camp.

edge of escarpment
40. *Dryopteris marginalis*
rocky wooded place

41. *Spiraea betulaeifolia* var. *corymbosa*
(abundant f. *campii*)

stems and petioles mottled
glaucous, leaves glaucous
beneath, spathe not fluted,
green with bronze
mottling without
deep purple with white
stripes within, appendage
deep purple with bronze
base, ♀, stigmas white.
herb 1.5 m. tall. fls
cream white.

flowers clear magenta-pink

tree 8 m. tall, one pointing
twig seen, bark grayish,
with thin layers peeling off

bush 1.5 m. tall,
bark white.

(L.) Gray

flowers very pale pink to
white, pink in center.

73442 ~~73442~~

under trees, open grassy woods

43

under trees

44

Hydrophyllum

in undergrowth

45. *Asclepias exaltata* Muhl.

in brush in open woods

46.

Convolvulus spithameus

in open woods

47

Quercus velutina

common in open woods

48

Lepidium

open rocky ground

49.

Silene antirrhina

open rocky ground

50.

Arenaria serpyllifolia

open rocky ground

51.

Corylus cornuta

common undergrowth

52

Lesquerella

open rocky ground

53

Vitis

tangled in underbrush

(54

Quercus

55

common in open woods

56

Galium

open woods

57

Rubus

open woods

58

Carex

open woods

Caespitose

sepal pale green, petals
and pedicels bronze-purple.

fl. white

corolla pale bronze green,
hoods pinkish white,
erect, corolla white, lobed.tree 10 m. tall, bark
yellow within (acorn cup) (in branches)plant gray-green,
flowers white
bush 1.5 m. tall

flowers yellowish.

leaves glaucous beneath

2 trees

tree 8 m. tall, acorns
from ground beneath trees,
flowers maroon roots
yellowpinnocanes ascending
floucanes prostrate tips
elongated, flowers white,
loose spreading clumps

134 59 *Hedysotis*
open woods

same - bog

60 *Juncus*

61 *Oenothera*

same - meadow near bog

62 *Cornus racemosa*
large colony in edge of low woods

63 *Sanicula*

same - woods on rocky ground
below bog

64 *Panicum*

65

66 *Panicum*

67 *Hedysotis caerulea* (L.) Hook.
rocky trail

68 *Viburnum acerifolium* L.

69

70 *Galium*

June 25 Big Meadows Camp

71

Quercus
common in open woods

small tufts
whole colony with white fls.

bushes 1 m. tall fls.
white, with faint
unpleasant odor
fls. whitish,

erect
culms solitary small
tufts
fls. lavender, with
yellowish eye
bushes 1 m. tall
fruits green
fls. yellow
prostrate

tree 10 m. tall
(acorns on ground beneath)

66

19115 - Virginia

23472 Oxalis

open roadside

73 Geranium

open roadside

June 25 Big Meadows,
rocky knob east of meadow

1080 m

74 Athyrium

rock crevices

June 26 Spillers Knoll

1080 m

75. Tragopogon

open roadside, common

76 *Staphylea trifolia* (Mill.) Koch
common in woodsJune 25 - 1/2 mi. S. of
Crescent Rock, Spillers Knoll

1050 m

wooded slope

76 *Ostrya virginiana* (Mill.) Koch

June 25 - Crescent Rock

1100 m

77 *Corydalis sempervirens*
rock ledgesJune 25 1/2 mi. N. of Crescent
Rock

1120 m

78 *Isatis tinctoria*

open roadside, common

Shenandoah Nat Park 67

erect, flowers yellow

flowers magenta

fronds erect

ligules yellow

tree 8 m. tall

plant glaucous,
scrolls rose with yellow
tips.(has spread in five
years along many miles of drive)

June 25 - Flyline Run w. of
Pass Mountain 7600 ft.

23479. *Platanus occidentalis*
wooded slope below road

June 25 3/4 mi. n. of
Jeremy's Run Overlook

- 80 *Galium*

2000 ft.

June 25 Upper Overall
Run just below Bear Wallon

81. *Lindera benzoin* (L.) D.D.
rocky talus with seeps of water 1200 ft.

82. *Barbarea vulgaris*
in old road

83. *Iquisetum*
wet broken rock

84. *Silene cucubalus* L.
wet broken rock

85. *Hedysotis*
roadside

- ~~86~~ ravine cut in rock

86. *Ribes*

87. *Asplenium*

~~rock~~ rock crevice.

- 88

rock ledge

- 89

rock ledge

spreading gnarled
tree

shrub 1.5 m. tall, aromatic
when broken, fruit green
flowers yellow

sterile

petals white plant
spreading, branched
at base
loose tufts, flowers light
purple.

hanging bush, fruit green

bracts ascending

90 *Saxifraga*
rock crevices

91 *Corydalis sempervirens*

rocky slope

92 *Quercus*

flat canyon floor of
broken rocks, open wood-

93

94 *Protorache*

abundant under a large
Quercus rubra tree

95 *Viola*

96

scattered

June 25 Bear Wallow
near head of Overall Run.

5000 ft.
flat rocky ground, wooded,
with marshy places.

97 *Oxalis*

98 *Acer nigrum* var.
dominant tree

99 *Carex*

27500 *Abies*

common in wet places

01 *Carex*

02

muddy place, abundant

03

muddy place

leaves rose-bronze
beneath, flowers white.

tree 10 m. tall, leaves
glaucous beneath,
~~trunk~~ bark scaly.

erect, solitary culms
yellowish-white.

brush 1 m. tall

erect, flowers yellow.
tree 15 m. tall

erect clump
shrubs 3 m. tall

loose spreading clump

23505

muddy place

06 Viola

open woods, under trees

07 Lonicera

open woods, under trees

08 →

with N.C. family
June 30 - Deeply Hollow,
1 1/2 mi. s. of Falls Church, Fairfax Co.

08a Corylus americana

09 Corylus americana f. missouriensis (Fom.) Fern.

growing with 23508 & 23510

10 Malva

10 Corylus americana

11 Malva unifolia (Michx.) B.S.P.

12 Salix

13 Coreopsis verticillata

14 Linum

14 Linum

15 Juncus

weedy open strip in wooded
bottom - land cleared in
early 1942

15 Juncus

16 Gentellaria

17 Hystrix patula

18 Circaea

June 27

Celtis

College Park, Md. roadside
tree 7 m. tall

bush 1.5 m. tall

bush 1.5 m. tall, leaves

chlorotic in appearance.

leaves pallid beneath,

flowers green

leaves pallid beneath,

flowers green

shrub 4 dm. tall.

fls. deep yellow, dry ones

yellowish.

flowers yellow

solitary or scarcely
caespitose.

fls. blue-purple

erect, not caespitose

leaves diseased, fls. white

July 1 - Accotink Creek
~~where crossed at bridge~~
 of Southern R.R.

marsh along shore of
 reservoir formed by the
 damming up of creek

23 5 19 *Scirpus atrovirens* or *pergandus*

20 *Alnus serrulata*
 edge of woods where
 small stream enters marsh

21 *Juncus*
 uncommon in marsh

21 *Juncus*
 rare

23 *Hedysotis*
 rare in marsh

24 *Juncus*
 occasional

25 *Ludwigia*
 rare

26 *Juncus*
 occasional

27 *Sisyrinchium*
 occasional

28 *Callitriche heterophylla*
 in small slow stream
 in edge of marsh

29 *Callitriche heterophylla*
 in small slow stream
 in edge of marsh

30 *Linum*

31 *Galium*

32 *Eleocharis*

33 *Juncus*
 common

- clumps
 shrub 2 m. tall

- isolated shoots.

- erect

fl. blue-violet, pale
 - without.
 broader leaves floating,
 narrow submerged,
 plants limp
 - submerged, plants
 rather springy.

- flowers yellow
 erect, flower white
 dense clump,
 isolated culms

23534 *Carex*

occasional

35 *Alisma plantago-aquatica*
common in muddy edges of water36 *Eleocharis obtusa*
common in muddy edges of water37 *Potentilla norvegica* var. *hirsuta*
edges of woods, recently
burned over, above
marsh.38 *Hedysotis purpurea* (L.) T. & G.39 *Satureja vulgaris*

bottom-lands along creek

40

road embankment

41 *Dryopteris*42 *Genum*43 *Lesymbrum*

rocky stream - bed

44 *Dryopteris*

banks above stream

45

near stream

46 *Hedysotis*- July 1 - between Ravensworth
Station and Accotink CreekOak woods on rolling
land46 ~~*Hedysotis*~~47 *Malaxis*

clump, stems leafy

petals white

dense clumps

erect, petals yellow

flowers lavender

fls yellow

fronds erect, veins prominent
petals white
fls. yellow

purplish green

fls. green

- 23548 *Lobelia spicata* var. *scaevola* Mill.
clearing along railroad
- 49 *Linum*
clearing along railroad
- 50 *Gallenia trifoliata*
clearing along railroad
- 51 *Cryptotalenia canadensis*
side of ravine
- 52 *Galium pilosum*
- 53 *Panicum boscii*
- 54
- 55 *Fagus grandifolia*
- 56 *Galium circaezans*
- 57 *Luzula*
occasional in woods
- 58 *Mitchella*
occasional mats in woods
- 59 *Hedyotis purpurea* (L.) B. & G.
occasional tufts

July 6 - Sleepy Hollow, 1 mi
S. of Falls Church, Fairfax Co.

- 60 *Eleocharis*
wet subsoil turned up last
winter in bottom-land
- 61 *Juncus*
wet subsoil turned up last
winter in bottom-land
- 62 *Daucus carota*
weed along roadside
- 63 *Daucus carota*
weed along roadside

flowers all purplish pink
with 23562 & 63, 4 out of 18 with deep
purple flower in center later in flowering
than the white flowered ones

23563a *Daucus carota*
weed along roadside

- suffrutescent herb
0.7 m. tall.
fls. white
- prostrate
culms solitary, ascending
culms erect, spiculate
pendent.
tree 8 m. tall, bark
gray.
stems ascending,
roots yellow.
tufts, connected by
rhizomes.
forming loose mats,
fruits green.
flowers lavender.

dense tuft

small tufts

- (33) mass coll. to show relative proportion
of plants with a purple flower (23562) in
(16) the center of the umbel to those
without (23563)

July 8 - Elkins, 1 mi. s. of
Great Falls, Fairfax Co. 90 m.
woods rather recently
burned by a ground fire
which destroyed the
undergrowth but not the
taller trees, covered
with a growth of herbs.

23564 *Circaea quadrangulata*
var.

65 *Galium circaezans*

66 *Phryma leptostachya*

67 *Hedysotis*
rare

68 *Galium*

69 *Acalypha*
rare

July 8 Great Falls of the Potomac,
Fairfax Co., Va.
rocky flat and tops of low
rock cliffs

70 *Ruellia*

edge of open woods.

71 *Hedysotis*

patches of soil and crevices
in rocks

72 *Galium pilosum*

rocks, in pockets of soil

buds pinkish, flowers
white

- ascending, roots yellow
erect, flowers purplish-
maroon, with white
tube.

flowers pale lavender

stems prostrate to
ascending, flowers
- purplish-green
erect

flowers blue-violet

flowers lavender

stems ascending to prostrate

23573 *Clitoria mariana*

rocky flat

" 74 *Justicia americana*
crevices in rocks in pools
in rocky cascade

75 *Veronica virginiana*
rock flat, ~~not~~ growing
up through deep grass

~~76 *Allium cernuum*~~
sand

76 ~~77~~ *Uniola*
rock flat, abundant

77 *Allium cernuum*
sand on rock flat, common

July 14 - 1/2 mi. n.w. of Hemlock
Spring Overlook

Shenandoah

brushy banks above road

930 m.

" 78 *Prunus virginiana*

79 *Epilobium angustifolium*

July 15

~~Big Meadows~~ - Big Meadows Campground

Oak forest

1000 m.

80 *Corylus cornuta*

common, makes up most of
underbrush

flowers pale lavender

erect, stems fleshy,
flowers lavender, center of
lobes purple, stamens
deep purple.
erect, flowers white

~~Loose~~

loose clumps, spikelets
- pendent
umbels ~~not~~ nodding,

shrub 1.5 m. tall, fruit red,
sweetish but ~~pinkish~~ astringent.
corolla magenta

bush 1.5 m. tall. no
pubescence, esp. on young
twigs

July 15 - saddle s. w. of Hawksbill Mt.
n. of Spiller Knoll.

open meadow on gentle west
slope, scattered bushes and
patches of brush.

73581. *Allium cernuum*

82. *Trifolium*

83. *Tragopogon*
common

84. *Nepeta cataracta*

85. *Rhus typhina* L.
common

July 15 - Rock Spring Shelter,
^{3/4 mi.} s. w. of Hawksbill Mt.

1000-1050 m.

wooded ravine

86. *Vaccinium*

87. *Corylus cornuta*
~~alba~~

88. *Lilium*

89. *Acer nigrum* var.

90. *Prunus pensylvanica*

flowers lavender, umbels
- nodding. leaves flat
- flowers yellow
erect herb, branching
when older, flowers
pale yellow, bracts
longer than flowers
- arborescent. flowers pinkish-white
shrub 1 m. tall, leaves
glaucous beneath, pubescent
of immature fruit rose-purple.

low. bushes, leaves
- glaucous beneath, berries blue.
- bush 1 m. tall (note
- short tubes)
- small spreading tree,
leaves green beneath.
tree 3 m. tall, (specimens
from lowest branch) leaves
- glaucous beneath.
- slender shrub 1.5 m. tall,
fruit bright red.

23591 *Thalictrum*92 *Oenothera*

common along trail

93. *Betula lenta*

common

July 15 - Appalachian Trail,
west slope Hawksbill Mt.

open woods

1050 m.

94. *Corylus cornuta*95 *Dryopteris*96. *Menispermum canadense*97. *Hedyotis caerulea* (L.)
shaded place along trail98 *Vaccinium*
~~clumps all low~~99 *Aster*with
M.A. Folsom to 250023600 *Quercus*01 *Amnium*02 *Tilia*03 *Corylus americana*

leaves glaucous beneath,
 - fruits glaucous - purplish.
 - erect herbs 1-~~2~~ m tall,
 petals butter-yellow,
 androecium somewhat
 zygomorphic
 - tree 2 m tall, 1 dm thick,
 broken parts with
 strong wintergreen odor.

bush 1.5 m tall,
 - (not long tube)
 fronds somewhat crisped,
 rhizome subterranean.
 vine climbing on
 - bushes, fruit immature.
 past flowering

clumps all low, berries
 - glaucous.
 rays lavender, disk
 yellow, turning red.

leaves lustrous above,
 - petioles & midribs reddish
 - fruits green
 - leaves green beneath, fls whitish
 - shrub

23604. *Acer pensylvanicum*

05. *Smilax racemosa*

06. *Acer spicatum*

07. *Aspilbe*

08. *Physocarpus opulifolius*

09. *Dicentra lonicera*

10. *Acer spicatum*

11. *Hamelis virginiana*

12. *Lysimachia quadrifolia*

13. *Zizia* ^{*aptera* (Gray) Fern.} ~~*quadrifolia*~~

14. *Tilia*

15. *Scrophularia*

16

17. *Hydrophyllum canadense*

18. *Monotropa uniflora* L.

19

20. *Baptisia tinctoria*

21. *Dioscorea quaternata* var. *glauca*

22. *Tilia*

trunk smooth, white
striped, fruiting spikes
pendent, wings green.

fruits bronze
branches brownish, not
striped, fruiting spikes
pendent, wings reddish.
fruit green

shrub

fls. greenish yellow. (Hart)
fruiting spikes drooping,
wings reddish.

shrub

erect, fls. yellow with
extreme base of petals
red, margins reddish.
herbage with celery odor
when broken

tree, flowers whitish
leaves green beneath

corolla ^{lobes} red, base green
herbage with a strong
oily odor when broken.

roots fleshy

white, odorless

fruit with oily odor when
broken

flowers yellow

vine, fruit green

leaves glaucous
beneath

July 15 - trail up west
slope of Hawksbill Mt.
23673 *Galium*
wooded slope

July 15 summit of Hawksbill

low brushy woods of deciduous ^{7-95 m}
trees with *Abies* & *Picea*, on top
rocky cliff

24 ~~*Solidago*~~ *Hedysotis caerulea* (L.) Hook.
earth in edge of woods

25 *Solidago*

26 *Hydrangea arborescens* L.

27 *Hydrangea arborescens* L.

28 *Spiraea latifolia*

29 *Spiraea latifolia*

July 15 ^{Spring} ~~Rock~~ Spring Shelter,
headwaters of Hawksbill Creek

under hemlocks ^{rocky} in bed of stream 910 m

30 *Maianthemum canadense* Desf.

31 *Clintonia*

32 *Circaea alpina* L.

wet ground

33 *Lycopodium lucidulum* Michx.

flowers red caespitose

past flowering

flowers yellow, scarcely
in flower yet.

shrub, 1 m. tall, flowers
white.

shrub 0.7 m. tall, flowers
pale pink

spreading clump several
meters across, 0.5 m. tall,
flowers pinkish white,
spreading clump 2 m.
across, 0.5 m. tall, fls. white.

fruit mottled with purple.

fruit blue

flowers white, stems succulent

23634. *Oxoclea sensibilis* L.35. *Buttrickia carolinensis* (Walt.) Vail

same - deciduous forest

36 *Aconitum*37 *Festuca*

38

39. *Circaea quadrangulata*var. *canadensis* (L.) Thunb.40. *Impatiens biflora*large patch ~~near~~ along stream41. *Impatiens pallida* L.

common but further from stream than #3640

42 *Angelica*

occasional

43 *Aureolaria*

frequent occasional.

44. *Ceanothus americanus*

occasional

45 *Hedysotis*

common in open woods on rocky slope

July 15 - canyon wall
below Lewis Spring Shelter
but above Falls, headwaters
of Hawksbill Creek
sparsely wooded rocky slope

sterile

fruit green

stems prostrate.

flowers white with greenish limb

tufts culms arching

- fls. white

- stems succulent,
flowers orange, spotted
with red.- stems succulent, flowers
pale straw-color with
a few purple spots within
herb 3 m tall, fruit
with strong unpleasant
odor when broken.

- flowers bright yellow,

- caespitose clumps
clumps, flowers white# caespitose flowers
from ~~lavender~~ lavender to
white. Masses all.1 stem from each clump
seen in 100 m. along trail.

- 236 461. *Parthenium integrifolium*
 47. *Acer spicatum*
 bottom of ravine near stream t
 48. *Corydalis sempervirens*
 rock crevices or ledge
 49. *Acer pensylvanicum*
 bottom of ravine near stream t
 50. *Hedysotis*
 rocky canyon wall

51. *Oenothera*
 small colony in semi-open place

July 15 - Appalachian trail
 just south of and above
 Lewis Spring Shelter,
 headwaters of Hawkbill
 Creek.

- open slope with scattered 450 m
 bushes and patches of brushy
 woods.
 52. *Betula lenta*

53. *Scrophularia*

54. *Asplenium platyneuron* (L.) Paker

55. *Aster*

56. *Scrophularia*

57. *Liatris vulgare* (L.) Fritsch.

erect, heads white
 bush 2 m. tall

plant glaucous

shrub 3 m. tall

caespitose, fls. lavender.
 mass coll. of one stem
 from each clump seen
 on about 100 m. of trail
 erect herbs 1 m. tall,
 flowers bright yellow.

small tree 3 m. tall,
 bark with strong wintergreen
 odor when broken.
 branching at base, corolla
 limb maroon, base green
 - fronds erect.
 - rays lavender, disk reddish
 - stems & bark purple, corolla
 - limb deep purple, base green.
 - flowers magenta

23658. *Geranium maculatum*
 59. *Cimicifuga racemosa*
 60. *Hieracium pratense*
 61. *Polygonum*
 62. *Hostium perfoliatum*

63. *Lysimachia quadrifolia*

64. *Anemone virginiana*
 common

July 16 - Falls of upper
 Hawksbill Creek below
 Lewis Spring Shelter.

steep rocky canyon
 walls, sparsely wooded,
 some talus slopes 100 m.

65. *Adlumina fungosa*

66. *Campanula*

flowers purple
 - flowers white
 - flowers yellow
 - flowers whitish,
 clump of herbaceous
 stems, m. tall, fruit
 - dull red, immature
 e.s.t. flowers yellow
 but red center, large,
 margins red also
 - (all in this colony of the cl.)
 mass coll - infl. with
 bracts of many plants
 not very close to each
 other - much variation
 in bracts - from small
 + green to large + white.

vine up to 2 m. long,
 glaucous, fls. whitish
 turning lavender, limb
 greenish.
 erect herb 1 m. tall,
 branching at base, main
 stem with small axillary
 branches, flowers blue-violet
 with tube white.

23667 *Sedum*
abundant on rocks

67 *Woodzia*
in rock crevices

69 *Actaea*
rock crevice, ^{near} bottom of canyon

70 *Asplenium*
rock crevices, near bottom of ca...

71 *Campanula*

72 *Dryopteris*
rock crevice near canyon bottom

73 *Arabis*
rock crevice near canyon bottom

74 *Polystichum acrostichoides*

75 ~~*Adiantum*~~

76 *Tilia*
talus

77 *Canotus americanus*
scattered clumps

78 *Draba ramossissima*
on ledge covered with
thin talus

79 *Juncus*
rocky slope

80 *Impatiens pallida*
rocky slope, shade

forming ^{low} mats of fleshy
rosettes, flowers white
tinged with pink,
mostly in fruit.
- anthers deep purple
dense tufts.

pedicels thick, green.
- fruit white.
- tufts, appressed to rocks

caespitose, flowers violet

prods compressed

erect.

spreading tree,
fls whitish, leaves
- glaucous beneath,
mass coll. one twig from
each clump (herb
specimens from one clump)
- dense clumps, on
ledge covered with
thin talus

stems succulent,
flowers clear bright
yellow, red spotted
within.

- 22681 *Coralorhiza maculata*
^{edge of} trail in shade, only
 one seen.

July 16 - Swift Run Gap

roadside,

7600'

- 82 *Trifolium arvense*
 abundant

- 83 *Trifolium*

July 21 ^{me} - Jewel Hollow
 Overlook,

2900'

- 84 *Myrica peregrina*
 road cut

July 21 - 1/2 mi. n. of
 Crescent Rocks

- 85 *Lilia*
 woods on rocky slope
 edge of woods

3500'

- 86 *Hydrangea arborescens*
 road cut

- 87 *Caulophyllum thalictroides* (L.) Michx.
 deep shade

- 88 *Hydrophyllum canadense*
 deep shade

plant bronze-pink,
 sepals and petals bronze
 tipped with purple-bronze,
 lip white with deep
 purple spots.

prostrate, flowers yellow

spreading clone, 6 dm.
 tall, sweet smelling.

large spreading tree,
 leaves somewhat
 bluish green beneath
 low shrub, ~~stamens~~
 fls. pinkish, ^{style of young} ~~leaves~~ ^{flowers}
 deep pink
 mature fruit blue,
 roots ^{sulf} golden orange, fleshy

23689 *Ribes*

road cut

90 *Oenothera*

roadside

91. *Ranunculus abortivus*
deep shade92 *Ribes*

deep shade

93. *Hydrangea arborescens*
road cut94. *Impatiens pallida*
deep shade95. *Hydrangea arborescens*
road cutJuly 21 - Headwaters of
Thornton River just
below Thornton Guff96. *Ailanthus altissima*
abundant along road97. *Ailanthus altissima*
abundant along road

July 21

David Spring, Big Meadows

marshy place below spring 3300-3400 ft.

98. *Hypericum mutilum*99 *Galium*erect herb, 1 m. tall,
fls. yellow

flowers white

fls. clear yellow,
internally finely
dotted with purple
style, free part of carpels
rose

tree 6 m. tall

tree 4 m. tall, fls. white

flowers yellow
erect, flowers white
3-parted.

23700 *Eupatorium*
~~erect~~

- 01 *Chelone glabra* v. *elata* Raf
- 02 *Impatiens pallida*
immediately adjacent
to large colony of *I. biflora*,
but relatively scarce
- 03 *Impatiens biflora*
large colony of two
principal color patterns
this and 23704 growing
mixed
- 04 *Impatiens biflora*
name

July 21 Big Meadows
Bog

- 3500'
- brushy marsh, surrounded
by young *Betula* - *Crataegus* -
Physocarpus wood, surrounded by meadow
- 05 *Rhus typhina*
scattered colonies in meadow
- 06 *Rhus typhina*
scattered colonies in meadow
- 07 *Lycopodium complanatum*
meadow

erect herb 1-1.5 m. tall,
stems ^{red} purple, with
solid pith, infl. very
- convex, pinkish lavender.
herb, m. tall, ascending,
- fls. rose inside
stems succulent,
flowers clear yellow,
~~at~~ minutely dotted
with purple within.
stem succulent,
1 m. tall, flowers orange,
~~at~~ red spots within
so large that they
run together, making
the interior mostly red
- ~~stem~~ same, ~~fls~~ only
lower part of spur
red, spotted, lower petals
red near base.

shrubs 1 m. tall, fruits
with red pubescence
shrubs 1.5 m. tall
- fls. dull greenish yellow,
prostrate

23703. *Hypericum mutilum*

bog

09. *Spiraea latifolia*
abundant in bog

10. *Ludwigia*
prostrate

11. *Lysimachia ciliata*
abundant

12. *Rosa*
large dense colony in marsh

13. *Trautvetteria caroliniana*
occasional in ~~marsh~~ ^{marsh}
and meadow

14. *Arisaema stewardsonii*
marsh

15. *Oenothera fruticosa*
abundant in marsh
and along stream leaving marsh

16. *Robelia cardinalis* L.
uncommon in marsh

18. *Rubus*
common in marsh

17. *Oenothera fruticosa*
abundant in marsh
and along stream leading from

19. *Sanguisorba canadensis*
abundant in marsh

flowers yellow

mass coll. one twig
from each of many
clumps, flowers
pinkish white,
- infl. variable in shape.
- bronze green, prostrate

flowers clear yellow
- with red center.
- plants $\frac{1}{2}$ to 1 m. tall,
petals bright rose,
- very little odor.
fls. white

past flowering, young
fruit. leaves clear
green beneath, spathe
- tube fluted.
flowers bright yellow

buds deep red.

prostrate flowers white
caespitose, flowers bright

scapose, fls. greenish
white.

23720. *Veronica virginica*
marsh

21. *Isotria medeolae* pool

22. *Veronica virginica*
marsh

23. *Lacalia atriplicifolia*

24. *Paronychia*
dried stream bed, stony

25. *Veronica virginiana*
marsh

July 22 Big Meadows
Camp ground

26. *Physalis*

27. *Corallorhiza maculata*

28. *Chimaphila maculata*

erect clump, flowers
pale pinkish

erect clump, deeper
purplish pink than
#23720
erect, leaves white
beneath, heads white

erect clump, fls. purplish
pink, spikes variously
forked at top. several
clumps seen similarly
forked. All in this
vicinity this color.
with #23722.

fls. pale yellow with
lobed lacinate
maroon spot in
center. Campanulate,
rhizome white, fleshy,
stem leaves purple-
bronze, fls. purple-
bronze with white
lip spotted with maroon-
purple.
leaves marked with white,
fls. white, ovary green

July 22 - Bootens Gap,

weeds, opening and road clearings

23728a Galinsoga

29. Polymnia canadensis

dense colony along road

30. Fragaria

common in opening

31. Campanula

occasional in opening

32. Hypericum

33

in road

34. Polygonum aviculare L.

in road

35. Plantago ~~major~~ ^{major} ~~major~~

in road

36. Scrophularia

edge of woods

37. Cichorium intybus

common along roadsides

38. Cynoglossum ~~altissimum~~

edge of woods

39. Chelidonium majus L.

edge of woods

40. Lepidium virginicum L.

edge of woods

- rays white, disk greenish yellow.
- herbs 0.5-1 m. tall,
- heads pale yellow.
- receptacle oblong-ovoid,
- achenes superficial.
- pappus scarcely developed.
- corolla blue-violet,
- white at base - erect herb.
- erect herb, flowers pale yellow
- spreading tufts

prostrate.

- erect, corolla limb
- maroon within, green
- without, tube green
- erect, flowers blue

flowers ~~pinkish~~ whitesucculent, leafy range,
flowers yellow.

July 13 Skyline Drive at
Bush Mt.

roadside

1000 m

23741

Paronychia
common

42 *Vicia*

43 *Lathyrus*

July 22 1/2 mi. north of
Lewis Mt. Picnic Ground, south
of Bearfence Mt.

1000 m

44. *Astragalus canadensis* var. *carolinianus* (L.) Fernald
rocky road cut

July 22 Kites Deadening, upper
end of Pocahontas Fire Road

1000 m

45 *Hedysotis*

roadside at base of great rock

46. *Impatiens pallida*

~~in this~~ single plant in
clump of pale ferns (23747)
at foot of large rock

47. *Impatiens pallida*

common at foot of rocks
and slope above, not near water

48. *Lobelia inflata*

weedy roadside

reclining ~~or other~~ plants
flowers ^{reddish} bright pink.
different plants
different colors, leaves
and stems glaucous.

~~rocky road cut~~
erect caespitose herb 1 m.
tall, calyx and corolla
greenish yellow, corolla
becoming slightly lead-
color. stems purple.

caespitose, flowers lavender

erect, stem succulent,
flowers clear yellow,
finely dotted with purple
within.

— succulent stemmed herb
1 m. tall, flowers straw color,
finely dotted with purple within.
flowers blue-lavender and
pink-lavender (only one of 4 blue-lavender).

July 22 - Swift Run Gap,

open weedy meadow

- 43749 *Polymnia canadensis*
 50. *Sassafras albidum*

51 *Galium*
 ↑July 22 - 1/2 mi. n. of Simmons
 Gap,
 wooded slope

52. *Ulmus fulva*
 53. *Rubus phoenicolasius*
 roadside, large colony

54. *Viburnum acerifolium*
 open rocky woods55. *Ceanothus americanus*
 steep open rocky woods56. *Monotropa uniflora*
 steep open rocky woods57. *Hedysotis*
 steep open rocky woods

- heads pale yellow
 small tree 5 m. tall,
 aromatic when broken,
 fruits mostly green,
 occasional ones purple
 with red receptacle.
 branching "terminaloid"
 forming dense ground-
 cover. roots yellow,
 flowers white.

- small flat topped tree
 arching canes, ~~flor~~ floricanes
 rooting at tips, fine
 prickles reddish, fruit
 red, slightly tart and
 astringent, forming free
 from the orange conical
 receptacle.

- shrub 1 m. tall,
 fruit green.
 - mass collection
 of twigs from separate
 bushes
 - plants white.

mass coll. of stems from
 separate tufts. fl.
 lavender.

27753 *Corallorhiza maculata*
steep open rocky woods

59 *Oenothera*
road cut talus

July 22 Headwaters of ^{s. fork} Rocky Mountain Run ^{(left fork of}
Run, 3 mi. s.w. of Simmons
gap.
steep ^{dry} rocky scrub oak
~~talus~~ slope. 800 m.

59a *Hedyotis*

60 *Vaccinium*
common

61 *Pericarpus asteroides*
rare

62 *Quercus ilicifolia*
abundant

63 *Nyssa sylvatica*
-are, but on rocky dry talus

July 22 - just south of
Beagle Gap 900 m.

open weedy slope

64 *Linaria vulgaris*

65 *Vernonia*

66 *Crataegus*

67 *Hedyotis*

68 *Monarda*

69 *Plantago* ^{aristata} ~~sp. n.~~
roadside, abundant

70 *Crataegus*

plant bronze, flower
bronze-purple with
white lip with purple spots
herb 1 m. tall, flowers yellow

caespitose, fls. lavender,
spreading clones, all low,
leaves glaucous beneath,
stiff, berries blue,
- of poor flavor.
rays white

bushes 2 m. tall

small tree 3-4 m. tall.

- flowers yellow, petals orange
- flowers deep purple
- small shrub, sterile
- flowers lavender
- aromatic herb, fls. pink

small rounded tree 5 m. tall

July 28 - Scott Mt
(overlook)

roadside thicket

3771. *Astragalus canadensis* var. *carolinensis* (L.) Jones

72 *Lymnophyes ciliolata* Michx.

73 *Anemone virginiana* L.

Aug. 10 - Sleepy Hollow, 1 mi. S. of

Falls Church, Fairfax Co

74 *Polygonum orientale* L.

weedy roadside

~~Aug 12~~ Aug 12 - same.

marshy place in ~~pasture~~ pasture,
open bottom - land pasture

75 *Ludwigia Rotula ramosa* Michx.

common in patches

76 *Gratiola Lindermanii*

77 *Mimulus ringens* L.

occasional

78 *Alisma plantago-aquatica*

79 *Pentstemon sedoides*

80 *Ludwigia palustris*

abundant

81 *Nitella*

abundant in pools of water

erect caespitose herbs,
fls with calyx and
corolla greenish yellow
turning slightly, lead-
color. Stems purple
shrub 0.7 m. tall, fls. pinkish,
erect, caespitose

erect, spikes crimson,
nodding.

well developed after a very heavy rainy spell.

erect, turning reddish,
petals 4, small, white to pink.

~~state short to~~
~~erect to moist~~ slender, fls. purplish.

erect, basal 1-1.5 dm. thickened
and spongy, corolla

tube white, throat and
limb violet, palate yellow.

throat almost closed by palate
- panicles erect, petals 3, white.

flowers whitish

prostrate, mat-forming.

bronged, fls. green.

fruit orange, plant
somewhat springy.

- 17792 *Paspalum*
edge of stream
83 *Echinochloa*
marsh

Aug 13 - same
reddish acid soil on brushy old field
knoll, very little topsoil.

84 *Rhus copallina*

85 *Rhus copallina*

Aug 16 - same
~~marshy place~~ ^{bottom-land} pasture
86 *Lindernia*
abundant in wet place

87 *Paspalum laeve*
common

88 *Paspalum*
common

89 *Helenium*
only one seen

loose clump

loose clump

bush 1 m. tall, branching &
flowers greenish yellow.
bush 1 m. tall, branching,
young fruits pinkish-
purple glaucous.

plants varying greatly
in slenderness, and in
color of stems, length
of pedicels, size of
corollas. corollas lavender.
spreading tufts, grazed

spreading to erect, grazed.

disk reddish, rays
chrome-yellow.

Aug. 13 - Thornton Gap

23790. *Eunymus*
 bushy slope along road
 roadside, probably, escaped

91. *Polygonum*
 climbing over brush

92. *Bidens*

93. *Clematis virginiana*
 climbing over brush

94. *Monarda fistulosa*
 common on open roadside

95. *Quercus velutina*

Aug. 13

Booster's Gap

97. *Plantago rugelii*
 stony roadbed.

Aug. 13 Thornton Gap

96. *Polygonum cuspidatum* Michx. & Zucc.
 roadside

Crescent Rocks

Rock ledges

97. *Liatis*

extensively creeping,
 forming a dense mat
 about 2 dm. thick,
 sterile.
~~erect~~ extensive vine, fls. white

fls. yellow.
 extensive vine,
 flowers white, fruit
 immature.
 erect, fls. pale lavender

tree 15 m. tall, inner
 bark dull orange,
 leaves with dark
 oily luster.

hollow-stemmed. ^{much branched}
 herb 2 m. tall, flowers
 white, fragrant.

caespitose, erect, bright purple fls.

23793. *Agrostis perennans*
 99. *Poa compressa*
 23800 *Paronychia*
 01 *Arabis*

Aug. 13
 Big Meadows

- bog, mostly overgrown
 with tall grasses and sedges
 02 *Epilobium*
 03. *Pycnanthemum flexuosum*
 large patch
 04 *Epilobium*
 common in bog
 05 *Lycopodium*
 occasional
 06. *Lobelia cardinalis*
 common locally
 07 *Agrimonia*
 meadow
 08 *Vernonia*
 common in bog

Aug. 13 - Pine Fields Reanto

- rocky slopes with thin woods
 09. *Agrostis perennans* Walt. Focken, det.
 scattered

Aug. 19 - same

10. *Panicum lindheimeri*
 11 *Spiranthes*
 rare

erect, panicle nodding
 - erect
 - flat topped
 glaucous, flowers white

flowers pink
 aromatic, flowers
 purplish white

flowers white, rhizome
 - with white fusiform enlargement
 erect, in clumps, corolla
 deep scarlet, anthers
 dull gray, beard white
 erect

erect, clumps, flowers
 deep bright purple

small tufts, erect

small tufts
 flowers white, roots fleshy

23812. *Panicum huachucae* Ashe
 13. *Chimaphila maculata*
 not common, under trees
 14. *Gaultheria procumbens* L.
 occasional
 15. *Sispedeza hirta*
 Aug. 19 - Skyline drive n.w.
 of Pinefield Grants
 rocky road-cut.
 16. *Hieracium scabrum*
 17. *Hieracium paniculatum*
 18. *Aster*
 19. *Arctium*
 20. *Pteridium aquilinum* (L.) Kuhn
 talus
 21. *Liatris*
 22. *Polygonum*
 23. *Euphorbia maculata* L.
 roadside
 24. *Hedyotis*
 opening in ~~scrub~~ brush on ridge
 25. *Hedyotis*

- large tuft, culms prostrate
 leaves dark dull green,
 marked with white.
 rhizome prostrate
 subterranean, fruit green,
 broken parts with
 wintergreen odor.
 erect clump, flowers cream-
 white with red spots at sides.
 roots milky
 erect clump with few
 stems, flowers yellow.
 erect, flowers yellow
 erect, rays lavender, disk
 reddish
 flowers purple
 large leaves on a basal
 rosette, fertile part
 of plant 3 dm. tall,
 much branched,
 rhizome deeply buried
 erect, flowers rose-purple
 twining over weed.
 nodding
 small tuft.
 flowers lavender to
 white (the whiter ones in shade)

23826. *Diradia teres*
small but dense patch in open

Aug. 19 Ridge from main ridge of Blue Ridge
to Rocky Mt.

wooded ridge of broken quartzite

27. *Stellaria pubera* Michx.

28. *Polygonum*

29

30. *Galium*

31. *Eupatorium*

abundant along trail

32. *Polygonum pennsylvanicum*

33. *Amphicarpaea bracteata* (L.) Fern.

34. *Leonurus cardiaca*

35. *Parietaria pennsylvanica*
Muhl., ex Willd.

36. *Gaylussacia baccata* f.
with #23838, rare

37. *Tephrosia*

common

38. *Gaylussacia baccata* f.
with #23836 but much more common

39. *Lyonia ligustrina*
uncommon

40. *Vaccinium*

uncommon

41. *Xerophyllum asphodelioides*
good sized colony on dry east slope
with *Quercus ilicifolia*

flowers lavender - pink

flowers white

vine climbing over plants,

- flowers white

- fruit green

- roots bright yellow

flowers white

- erect, flowers pink

turning, flowers cream-
white

- erect clump

apparently attached

- by a mosaic disease

bush 1 m. or less, tall,

- fruits black, flavor good
grayish, caespitose

bush 1 m. tall, fruits with
bloom,

- bush 1 m. tall

bush 1 m. tall, upper
stems green, berries blue,
- flavor good.

- caespitose clumps,
old fruits only seen

23842 Angelica

43. Quercus prinus
dominant tree44. Quercus marilandica
common in scrubby forest45. Quercus marilandica
common in scrubby forest46. Epigaea repens
rare on dry bushy slopeAug. 19 - slope of Rocky
Mountdry quartzite slopes,
alternating open talus,
bush and patches of forest47. Quercus marilandica
~~shrub~~ common in bushy forest48. Castanea pumila
rare on bushy slope49. Euphorbia corollata
openings

50. Vitis

51. Aster ^{an}limpulus
occasional in openings52. Asclepias verticillata
quartzite talus, rare53. Quercus coccinea
occasional in bushy slope- erect herb, stems purple
small tree, leaves less deeply- lobed than usual
small tree, 5 m. tall,- fruit not mature
small sterile tree

prostrate

shrub 2 m. tall

shrub 1 m. tall

flowers white, ovary green,
mass collection to show- variation in shape of appendage
woody vine leaves
blue glaucous beneath,
petioles reddish fruit
green- rays purple, leaves
- stiffish
flowers white

tree 6 m. tall, sterile

23354. *Quercus ilicifolia*
abundant on rocky slopes,
forming a bushy clumped-
like vegetation

55. *Quercus marilandica*
~~abundant~~ ^{common} on rocky
slopes in brush with
Q. ilicifolia

Aug. 19 - ~~top~~ summit
ridge of Rocky Mt.

ledge of eroded quartzite
56. *Pinus strobus* L.

57. *Anaphalis margaritacea*
small colony

58. *Solidago*
occasional on open rock

59. *Rhus toxicodendron*
small colony ~~under~~ trees

60. *Melanopyrum lineare* ^{var. latifolium}
(mult.) ^{leaves}
occasional in openings

61. *Xerophyllum asphodelioides*
colony scattered along ridge

Aug. 20 - Pinefield, Beanto
~~valley~~

rocky slopes

62. *Hieracium spicatum*

63. *Graphalium*

weedy clearing

64. *Vitis*

edge of clearing

mass collection of
twigs from ~~many~~ different
individuals to show
leaf variation
mass collection
to show variation
in leaf outline

small tree 6 m tall
- cones on ground under trees
erect

erect, flowers yellow
- strictly erect, on m.
tall
- corolla white, opening
yellow.
caespitose

erect, flowers yellow

woody vine climbing
over trees, stems.

23865 *Pyrola*

mixed woods, small colony

66. *Malaxis unifolia* Michx.

mixed woods, only 2 plants seen

67 *Linum*

small colony, shaded

68 *Paronychia*

occasional, shaded

~~69 *Hierac*~~69 *Solidago*

shade near stream

70. *Hypericum gentianoides*
road in weedy clearing.71 *Crataegus*
colony of small plants in field
Aug. 20 - just n. of Left Mt.

weedy roadside

72. *Erigeron canadensis*73. *Ambrosia trifida*
large colony74 *Oenothera*

occasional

75. *Cirsium discolor*

occasional

76. *Lactuca scariola* L.
commonAug. 20 - Simmons Gap, east slope,
upper left fork of Ivy Creek,

wet bottom of canyon,

77. *Mentha spicata* L.abundant in mud
between large rocksveins pellucid, raised
on glossy upper leaf surface.
(fruiting plant collected same
place Sept. 15).stem not glaucous,
- flowers yellow
- flowers yellow, fruit red.shrub 1 m. tall, flat topped,
sterile.- erect, heads white
herb 2 m. tall.

erect herb, flowers yellow

herb 1 m. tall, much
branched, heads bright purple
flowers pale yellow.

27878. *Vernonia glauca*
occasional in wet ground
- 79 *Viola*
small but dense colony
- 80 *Epilobium*
occasional in mud
81. *Polygonum virginianum*
small colony in wooded slope
82. *Verbena urticifolia* L.
uncommon in wet place
83. *Impatiens biflora* f.
wet place
84. *Stachys*
wet place, only one plant seen
85. *Symphoricarpos orbiculatus* Moench
roadside
86. *Impatiens biflora* Walt.
large colony in wet stream bed
87. *Silene*
wet stream bed
88. *Eupatorium perfoliatum* L.
small colony
89. *Lobelia siphilitica* L.
occasional in wet stream bed
90. *Mimulus ringens* L.
common in wet stream bed
- 91 *Juncus*
rare, in deep weed vegetation
in wet place

- herb 1.5 m. tall, flowers
- deep ~~violet~~ purple
~~small branch~~
- tall, much branched herb,
- flowers pink
erect
- erect, flowers white,
- much larger individuals seen.
Two or three plants seen
of this form, cream color
with fine red dots,
among large colony of
- orange form (#27886)
erect, flowers white
- small shrub
- herb 1 m. tall, stem succulent
corolla orange with
- bright red spots.
- corolla white, calyx
- with deep green ribs.
leaves rugose, heads
- dull white.
- corolla deep violet
- erect, flowers ~~pink~~
lavender

23392 *Leersia oryzoides* (L.) Sw.
wet place

93. *Panicum clandestinum* L.
roadside

94. *Laportea canadensis* (L.) Gand.
moist, desiccating roadside ditch

95. *Carya ovata* (Mill.) Koch
edge of stream

96. *Alnus*
edge of stream

97. *Carpinus carolinianus* Walt.

98. *Eupatorium*

99. *Thuja canadensis* (L.) Carr.

23900. *Diospyros virginiana* L.
wet stream bed

01. *Sanguinaria canadensis*
rocky place

02. *Prunus americana*

tangled mass

erect, stinging,
fruit translucent, fleshy.

- tree 15 m. tall, 4 dm.
thick, bark detaching
in large pieces. fruit

- globose
thicket-forming shrub
3 m. tall

- tree 6 m. tall,
erect herb up to 2 m. tall,
stem with solid pith,
mottled green without,
purplish at nodes,
heads lavender

- tree 15 m. tall, symmetrical.
cones pendent. leaves
with a glaucous
band beneath on
either side of the midrib.

- tree 6 m. tall, bark
finely checked, leaves
glaucous beneath,
reticulate veined.

- leaves glaucous,
rhizome orange,

- fleshy.
small thorny tree,
fruit orange red, fleshy,
sour.

Aug. 20 - road up left fork
Ivy Creek, below Simmons
gap, 1/2 mile west of Sullivan
P.O.

roadside on steep slope

23903

04. *Cassia viciiflora*
common

05. *Digitaria*

06. *Digitaria*

07. *Digitaria*

08. *Digitaria*

09. *Eleusine indica* (L.) Gaertn.

10. *Ledum*

~~Culpeper~~

Aug. 20, - Culpeper, Culpeper Co.

11. *Polygonum pennsylvanicum*
very abundant in abandoned
garden

Aug. 27 - Holmes Run at Lee Blvd.
2 1/2 mi. S. of Falls Church, Fairfax Co.
90 m. alt.

low wet clearing with pools
of water and densely overgrown
with tall weeds.

12. *Echinochloa*

in wet recently disturbed sandy soil

24150

Osmodium glabellum
(Mx.) DC.

24153

Osmodium paniculatum
(L.) DC.

tufts
low

24156

Osmodium strictum
(Pursh) DC.

24154

Osmodium ciliare
(Muhl.) DC.

tall,
erect,
each
from a
clust.

spreading to erect tufts
mass coll., each panicle from a
different tuft.

Aug. 20 - road into Rabbit holes

J. J.

gap

P.O.

on
Sullivan

23903

04. Ca.

05. Di

06. Di

07. Di

08. Di

09. Cl

10. L

Cat

Au

11. Poly

ver

ga

pe

etc.

epic. Co.
unm
ndomed

Aug. 2

2/1

Black
Fairfax
90 m. alt.low wet clearing with pools
of water and densely overgrown
with tall weeds.

12 Echinochloa

in wet recently disturbed sandy soil

spreading
~~prostrate~~ tufts
flowers yellow- erect
- spreading
- erect
- spreading
- spreadingherb 1 - 1.5 m. tall,
flowers pink.
mass coll. each
inflorescence from a
different plant.spreading to erect tufts
mass coll., each panicle from a
different tuft.

Aug. 20 - road up left fork
Ivy Creek, below Kimmons
gap, 1/2 mile west of Sullivan
P.O.

roadside on steep slope

23903

04. *Cassia viciiflora*

common

05. *Digitaria*

06. *Digitaria*

07. *Digitaria*

08. *Digitaria*

09. *Eleusine indica* (L.) Gaertn.

10. *Ledum*

~~Culpeper~~

Aug. 20, - Culpeper, Culpeper Co.

11. *Polygonum pennsylvanicum*
very abundant in abandoned
garden

Aug. 27 - Holman Run at Lee Blvd.
2 1/2 mi. S. of W. of Falls Church, Fairfax Co.
92 m. S.E.

low wet clearing with pools
of water and densely overgrown
with tall weeds.

12. *Echinochloa*

in wet recently disturbed sandy soil

spreading
~~prostrate~~ tufts
flowers yellow

- erect
- spreading
- erect
- spreading
- spreading

herb 1 - 1.5 m. tall,
flowers pink.
mass coll. each
inflorescence from a
different plant.

spreading to erect tufts
mass coll., each panicle from a
different tuft.

- 23913 *Echinochloa*
somewhat drier ground about
3-5 dm. higher than #23912
- 14 *Polygonum pennsylvanicum*
wet, recently disturbed sandy soil
- 15
wet recently disturbed sandy soil
- 16 *Cephalanthus occidentalis* L.
- 17 *Cephalanthus occidentalis* L.
- 18 *Cephalanthus occidentalis* L.
- 19 *Galium trifidum* var. *trifidum*
- 20 *Lythrum atrorubens*
- 21
- 22 *Lernaea hyssopifolia*
abundant, forming tangled masses
- 23 *Lobelia cardinalis*
rare
- 24
occasional
- 25
occasional
- 26 *Cuscuta*
common on Aster and various
other plants

- erect tufts, mass coll.
each ~~panicle~~ Taken from
- a different tuft.
- erect plants, flowers
pale pink, mass coll. of
inflorescences each taken
from a different plant
erect clump, panicles
nodding.
- shrub 3 m. tall, all
- du. from same plant.
- shrub 2 m. tall (all from same plant)
- same
- erect but supported by
- weeds, flowers white.
- erect, single culm (fruiting
- infl. from different individuals)
- large clump, culms
ascending, panicles
stiff, purple.
- diffuse, tangled,
cutting the skin, spikelike.
- pale green.
- erect, corolla scarlet
- erect, flowers white
- erect, flowers white
- threadlike, golden, inflorescences
thick, green, flowers white.

Aug. 27 - same

low sandy woods, with
stream and wet places,
in the open but shaded

25937

abundant

22 *Ludwigia palustris*
in open sandy places19 *Lycopodium*
along stream bank30 *Galium*
along stream bank, etc.41 *Urtica*
in deep brush38 *Physalis*
in brushy sandy soil,

33

near stream

34 *Rudbeckia*
occasional15 *Colalis splendens* L.
rare36 *Lactuca*
occasional37 *Geranium*
occasional38 *Aralia spinosa*
edge of woods, common
locallyinf. of many panicles in false
whorls, specimen from each
false whorl, upper leaf, lower leaf,
old wood.erect, culms solitary
or several together,
bristly, bronze greenstems under surface of
ground, flowers white
~~erect~~ - bristlyculms solitary or small
tufts, of 3 or 4.
erect herb 1.5 m. tall.herb 1.5 m. tall, range
greenish yellow, dark green
corolla scarlet.erect, lactiferous, flowers
violet.

erect, flowers yellow

single stemmed shrub
2 m. tall (others taller,
& branched), old wood
very spiny, this year
growth with few spines,
leaves changing upward,
leaves becoming larger.leaves
flowers
fruit

- Sept 1 - Banks of Potomac River
 1/2 mile below Gravelly Point
 Airport, Alexandria
 thickets along river
 23939 *Sisyrinchia angulatus* L.

40 *Polymnia uvedalia* L.

- Sept. 2 - Westgate, 2 mi. S. of
 Alexandria, flats along
 Potomac River, Fairfax Co.
 along path in low wet woods
 41

- Sept. 2 - Accotink, 10 mi. S. of
 Alexandria, Fairfax Co. on
 roadside

- 42 *Triodia flava*
 common with the ordinary purple
 form (#23943) for about 1 mile
 along ~~the~~ ^{the} highway

- 43 *Triodia flava*
 common, growing in wet
 7 mi. from (#23991)

leaves are very
 in bunches, and trees,
 flowers white, quite green,
 flared with stiff white hairs.

can be spreading, not
 especially tufted, spiky
 conspicuous, spirally
 disposed.

erect clump, panicle
 diffuse, ~~branches~~ ^{branches} drooping,
 dull ^{light} green.

erect clump, panicle
 diffuse, ~~branches~~ ^{branches} drooping
 deep dull purple.

Sept. 2 - woods e. of
Garrison, Va.

in wet deciduous woods
on flat ground

2944 *Panicum*

45 *Lobelia puberula* Michx.
roadside

46 *Lycopodium obscurum*
common in cliff under trees

47 ~~*Ribes*~~ *Ribes*
roadside, alonded

48 *Fagus grandifolia*
common in woods

Sept. 2 - Garrison, Va.

open ground
49 *Penstemon frutescens* var. *crispus*
gagacis

Sept. 2, e. of Garrison, low
land above Potomac. Fairfax Co.
~~flat~~ flat river terrace, partly
wooded

50 *Eragrostis spectabilis*
colony in roadside

erect, flowers violet.

erect

flowers rose-color

tree 20 m. tall, trunk
5 dm. thick, gray, branches
drooping. Many coll.
of twigs from many
trees, one from each tree,
to show variation
in pubescence. (fruiting
twig, all from ~~the~~ tree as last spec.)

erect, not yet in flower,
somewhat conspicuously
aromatic. Spikes
4-sided, bracts imbricate.

tufts, culms spreading,
plant stiff.

23951 *Fagus grandifolia* var. *resinosa*
edge of bluff, over rocks

~~51~~ ~~110~~

52 *Hedera pulegioides*

53 *Celtis occidentalis*
several small trees
on edge of bluff.

near Potomac River at
Sept. 2 - Little Run trap track
E. of Mount Vernon,
~~Potomac River~~ 7 mi
E. of Alexandria, Fairfax Co.
wooded peninsula surround-
ed by extensive open area

54 *Cucurbita foetidissima* HBK.
grassy clearing, probably
introduced as other
introduced plants, such
as Citrullus, Tormato, etc.
nearby. several plants
seen.

55 *Mitchella repens* L.
open woods, slightly
higher ground than
surrounding country

56 *Galium triflorum*
open woods

57 *Polygonum nudatum* L.
thick woods, small colony

tree 8 m. tall, stem thick,
branches drooping.

leaves firm
plant with strong
pungent odor, flowers

~~58~~ ~~110~~ violet
small tree 4 m. tall,
trunk 8 m. thick,
gray, fruit dull copper-
color, sweetish but
not much pulp.

prostrate vine, herbage
ill-scented, rough.
fruit very young somewhat
longer than thick, 3 celled,
striped light green on
dark green - plants
almost sterile.

prostrate, fruit scarlet.
(fruit terminal, or palely
axillary)

plant prostrate to
slightly ascending.
rays yellow

58 *Hydrocotyle*

small colony on fertile
silt bank ~~at~~ just above
at edge of river estuary,
being undercut and
crumbling, dense woods

Sept. 2 Hunting Creek ^{Estuary} just
south of Alexandria, Fairfax Co.
tidal marsh

59 *Physocarpus opulifolius*

60 *Acnida cannabina* ♀
61 " " ♂
abundant in marsh

62 *Echinochloa walteri*
occasional

63 *Echinochloa walteri*
occasional

64

65 *Cuscuta*

parasitic on *Polygonum*,
Impatiens & other plants.

66 *Gaura*

lighter ground, roadside
only one seen.

fertile from erect
roots fleshy

bush 2.5 m. tall, many
stemmed, branched.
erect herbs up to 2 m. tall,
apparently strictly dioecious,
stems hollowed
out by insect larvae,
filled with water.
tall, weak-stemmed,
spikelets green (with #27902)
same but ~~spikelets~~ glumes
deep purple and green,
(not always same amount
of purple, some all green)
tall, infls. at most
nodes, spikelets purple.
stems filiform, yellow,
infls. thicker, greenish,
fls. white.
diffusely branched,
flowers ~~white~~ pinkish.

each
node
infls.

- Sept. 3 - Sleepy Hollow 1/2 mi.
S. of Fall Church, Fairfax Co.
moist ground in field

23967

- 68 *Solanum nigrum* L.
69 *Polygonum hydropiperoides*
70 *Bidens bipinnata* L.

with
109.

- Sept. 8 - same
71 *Polygala verticillata*
brushy old field, low ground

- Sept. 8 - along Turkeycock
Run, 1/3 mi. N. of Fairland,
6 mi. W. of Alexandria,
Fairfax Co. 70-80 m
in and around boggy place

- 72 *Lechea*
flat sterile ^{open} ground
73 *Hypericum gentianoides*
flat sterile open ground
74 *Bulbostylis capillaris* (L.) Vahl
flat sterile open ground
75 *Lespedeza repens* (L.) Benth.
on floor of old abandoned gravel pit
76 *Rubus*
thick on floor of old gravel pit
77 *Eupatorium*
floor of old gravel pit
78 *Lycopodium obscurum*
woods on small slope,
small colony.

fls. white, fruits green.
more or less erect,
spikes rose-pink, pendent.
rays yellow

flowers purplish.

~~*Magnolia bog* (see Fairland, Fairfax Co. Wards 5)~~

basal rosette prostrate.
scape erect.
erect, ~~light~~ ^{vasey} red.

small tufts

prostrate, flower
pinkish purple with
banner deep purple.
canes erect, leaves
whitish beneath.
erect, flowers grayish-
white.

- 27979 *Verbascum thapsus* L.
open sterile ground
- 80 *Viburnum*
gravelly sphagnum bog, open woods (see 27980)
- 81 *Ludwigia palustris*
open streamlet in sphagnum bog
- 82 *Cotyledon dissectum*
- old bottom - land near stream
only one plant seen (with #27983)
- 83 *Butyrachium dissectum* f. *obliquum*
- old bottom land near stream,
(with #27982)
- 84 *Phlox maculata*
rare in wet gravelly rivulet
- 85 *Dryopteris notholirae*
large colony on wooded
bottom-land near stream
- 86 *Cyperus*
in mud of marsh, in bottom
of old gravel pit
- 87 *Magnolia virginiana*
abundant in swampy bottom-land
- 88 *Uniola laxa*
wooded bottom-land
- 89 *Lycopodium*
muddy spots in ~~swampy~~
~~bottom~~ old gravel pit.
- 90 *Cyperus strigosus* L.
muddy place in old gravel pit
- 91 *Rhynchospora*
muddy place in old gravel pit
- 92 *Lycopodium*
muddy place in old gravel pit

erect, flower yellow

fruit greenish white. shrub
1 m. tall.

prostrate, ~~base~~ ^{base} orange
all sterile

all plants seen sterile

rhizome prostrate,
shallowly buried.

small colony

1 m. tall, leaves
white beneath

spreading, prostrate
clump, spikelets
arranged spirally.
leaves purple beneath,
flowers white.

solitary culms,
spikelets green
more or less caespitose,
weak (note roots of flower heads)
prostrate stems with lvs.
patent, more or less distichous, erect
stems with lvs. appressed, not distichous.

27793 *Diodia teres* Walt.
abundant on open sterile
flat ground

Sept. 9 ^{Potomac River at} Little Hunting Creek,
west of Mount Vernon, km.
e. of Alexandria, Fairfax Co.
dry, sterile gravelly soil
with rubbish dumped
here and there.

94

occasional

95 *Diodia teres* Walt.
common in patches

96 *Lespedeza*
occasional

97 *Rosa*
edge of thicket

98 *Lymphocarpus obiculatus* Moench
common in openings
and edges of thickets

99 *Solanum elaeagnifolium* L.
several plants in old rubbish pile.

24000 *Lespedeza*
abundant in roadside patches

01 *Citrullus vulgaris*
several plants on old
rubbish heap

erect, fls. pink-lavender

prostrate lower
branches forming long
radiating vines,
flowers dull pale salmon
color with keel spirally
curved, pods terete.
fls. lavender-pink.

flower deep maroon-purple.

mound-shaped bush
of arching canes, m. tall,
fruits orange in
erect clusters.
shrub 1 m. tall, fruits
immature

fruits red.

flowers deep purple
distally.

several prostrate branching
stems from central root. flowers
greenish yellow. somewhat immature
fruit, ellipsoidal, from another plant.

Sept. 10 - Lee Blvd. 0.6 mi. s. of
Falls Church, Fairfax Co.
roadside, edge of cultivated
fields.

24002

Polygonum pennsylvanicum L.
wet ground, edge of field,
abundant

03

Bidens
abundant, forming large
patches of bright yellow

04

Cuscuta
abundantly, parasitizing
Lespedeza and incidentally
other weeds on roadside

Sept. 15 - east approach to
Swift Run Gap, just below
Lydia,

roadside in disturbed soil

350 ft

05

Lespedeza stipulacea

plants from simple
to much branched
at base, flowers
pink, occasionally
quite pale. Mass
coll. of an inflorescence
from each of many
separate individuals.
— erect, rays bright
chrome yellow, disk
darker. Plants varying
in size from small
ones a few cm. tall
with one or 2 heads to
large ones a meter tall
with many heads.
— stems orange-yellow,
infl green. thicker,
flowers white.

spreading to ascending,
dense clump of separate
plants.

Sept. 15 - 0.8 mi. s. of
Swift Run Gap, along Skyline
Drive

old field with thickets 2500'
24006 *Paronychia*

disturbed soil

07 *Euphorbia maculata*

disturbed soil

08 *Aster*

low thicket

09 *Agastache*

low thicket

10 *Polygonum*
~~*convolvulus*~~

low thicket

11 *Solidago puberula*
weedy field

Sept. 15 - ravine below
Pinefield Leanto, headwaters
of Ivy Creek.

~~rock~~ thinly wooded 2400'

rocky slopes - quartzite
chips and blocks.

12 *Polypodium vulgare* L.

small colony in broken
rock flat.

13 *Mnottropa uniflora* L.

slope under trees

14 *Gaultheria procumbens* L.

very common on slopes

15 *Vaccinium*

steep brushy slope, apparently
burned a few years ago

rays lavender,
disk yellow, turning red.
herb up to 2 m. tall,
stems square, fls.

lavender
fls. greenish white

plant rather grayish
green, fls. yellow.

rhizomes matted in
crevices.

clumps, already dead.

rhizomes subterranean,
fruit scarlet with strong
wintergreen flavor.
plants 1 dm. tall.

- 24016 *Epigaea repens*
 & small colonies seen on
 brushy slope, burned a
 few years ago.
- 17 *Chalorchiza*
 in deep dead leaves under
 overhanging boulder
- 18 *Smilax rotundifolia*
 near bottom of ravine
- 19 *Dioscorea quaternata* var. *glauca*
 steep bare slope in bottom
 of ravine
- 20 *Campanula flexuosa*
 steep bare slope at bottom
 of ravine
- 21 *Aster*
 steep bare slope at bottom of
 ravine
- 22 *Corallorhiza*
 steep bare slope at bottom
 of ravine

prostrate, small patches

stems bronze, ~~white~~ white
 when covered by leaves, fls.
 bronze, lip not lobed,
 whitish, somewhat
 spotted with purple,
 margins ~~erose~~^{purple} involute
 blade with 3 longitudinal
 plications, these inconspicuous
 rhizome fleshy, white,
 intricately branched.
 rhizome crooked, knotted,
 odorless, plant a
 branching liana, green,
 fruit green.
 leaves glaucous beneath.

fls. blue-violet

~~flowers~~ rays lavender

~~st~~ rhizome white, fleshy,
 intricately branched, brittle,
 stem and flowers bronzed, lip
 white with purple spots & margin,
 orbicular, margins erose, involute,
 3 conspicuous longitudinal plications in center.

- 24023 *Rudbeckia laciniata*
small opening in flat gravelly stream-bed
in bottom of ravine
- 24 *Carex*
small opening in flat gravelly stream-bed
in bottom of ravine
- 25 *Polygonum*
same small colony
- 26 *Bidens frondosa*
same no plant only seen
- 27 *Erechtites valerianifolia*
same 4 plants seen
- 28 *Menziesia pilosa*
slope
- 29 *Prenanthes altissima* L.
rare on slope

Sept. 16 - ~~same~~ Fivefield, Leanto,

- 24031
30 *Spiranthes cernua*
grassy trailside on brushy
slope
- 31 *Botrychium dissectum* f. ~~oblongum~~
grassy trailside on brushy
slope.
- 32 *Hamamelis virginiana*
edge of clearing
- 33 *Toiopsis flava* (L.)
edge of clearing
- 34 *Triostema aurantiacum*
clearing

- erect herb 2 m. tall,
rays yellow, disk green.
- clumps, culms weak,
spikes pendent.
- fls. greenish
- erect,
- fls. cream-white.
- bush 1 m. tall, leaves
slightly glaucous
beneath
- fls. pendent, greenish
white.

odorless, cream-white,
fls. 3-ranked, lip ovate,
recurved, margin
crispate,

bush 1.5 m. tall, sparingly
in flower, petals yellow.

caespitose, culms erect,
panicles with cernuous
branches, purple.

caespitose herb, 1 m. tall,
fruit orange

Sept. 16 - Brown Mt. Parking Overlook,

roadside cleared in brushy woods
24035 *Crataegus*

36 *Coreopsis verticillata*

37 *Phytolacca americana* L.

38 Sept. 16 - Ridge below Brown Mt. Overlook

ridge with low, brushy woods and patches
of scrub oak, steep slopes with soil mixed
with broken quartzite

24038 *Polygonatum biflorum*

rounded ridge top, sparse woods

39 *Angelica*

same

40 *Opuntia arbutifolia*, var. *atropurpurea* (Britt.) Rob.

same, occasional

41 *Desmodium nudiflorum*

same, small colony

42

same, rare

43 *Solidago caesia* L.

same, occasional

44 *Chimaphila maculata*

same, rare, at base of trees

45 *Xerophyllum asphodelioides*
rare, brushy rocky slope

brushy, excessively thorny
tree 4 m. tall, fruits greenish,
caespitose, underground
shoots bright greenish yellow,
fls. bright yellow.
— spreading to erect, succu-
lent herb up to 1 m. tall,
fls. white; fruit immature

rhizome white fleshy; fruit blue, fleshy

fruit with oily odor when broken

herb 1 m. tall, fruits sweet, but very
astringent, purplish-black.

— scapes erect or arching, leaves somewhat
glaucous beneath, fruits readily disarticu-
lating.

— fruit with oily medicinal odor when
broken

stem somewhat glaucous, heads yellow.

leaves dark green with white along veins.

— fruit green
sterile

- 240 46 *Rosa*
slope in sparse woods
- 47 *Aster*
same
- 48 *Pseudotaenidia montana* Mack.
same
- 49 *Asclepias quadrifolia*
same, rocky place
- 50 *Zizia aurea*
same
- 51 *Hedysotis*
same, mossy bank
- 52 *Solidago*
same
- 53 *Solidago*
same
- 54 *Solidago*
same
- 55 *Galium latifolium* Michx.
same
- 56 *Coralorrhiza*
same, in deep dead leaves, many
plants not emerging above the leaves
small colony with many individuals

shrub 0.8 m. tall, fruit red.

rays straw white, involueral bracts
appearing ^{somewhat} fleshy.
fruit with sharp oily odor when broken
leaves slightly glandous beneath
fruit erect

fruit with sharp oily odor when broken

small tufts, and single plants

heads yellow

heads yellow

heads yellow

tufts, roots yellow

base of stem enlarged,
rhizome white, branched, brittle
plants buried in leaves much distorted, white
those emerged, erect, bronzed. Petals
deep bronze, lip oval, not lobed, white
somewhat spotted with purple, palate
with two divergent callosities, blade
with 3 faint plications, margin erose
crepate involute.

Sept. 16, Saddle between Brown Mt.
and Brown Mt. Overlook

Open wooded ridge with rounded $\approx 250'$
top.

24057 *Crataegus*

small colony of three or four
individuals on ridge top

58 *Silene stellata*

~~Caespitose~~ occasional

59 *Chenopodium boreale*

~~restricted~~
small colony with numerous
individuals on ridge top.

Sept. 16, Northeast Ridge of
quartzite talus slopes, usually
with soil, chin woods and patches
of scrub oak

24060 *Monotropa uniflora*

bare earth below trail

61 *Dryopteris disjuncta* (Rupr.) Morton
broken up, restricted colony
with numerous individuals

62 *Angelica*

brushy slope

63 *Andropogon scoparius*

Common on ^{open} rock outcrop.

64 *Vaccinium*

edge of brush on rock outcrop

65 *Vaccinium*

open rock outcrop

small tree, 3 m. tall, bark gray,
fruit red.

Caespitose herb with deep tap root,
petals white, deeply lacinate -
most plants drying up.

dense clumps, erect, whole plant white,
flowers odorless

stems bronzed, leaves slightly
glaucous beneath, fruits bronze,
only odor when broken

tall individuals not common -
fruit blue, sweet, strong but not
unpleasant flavor
2-3 dm. tall, mostly not fruiting.
fruit blue with unpleasant flavor

174

1945 - Virginia

24066 *Desmodium*

rare on open rock outcrop

67 *Quercus*

brushy slope

Sept. 16, Top of

24068 *Andropogon scoparius*

open ridge

69 *Aureolaria pedicularia*

open ridge, rocky trail

70 *Pinus rigida*open ridge among enormous
rock fragments71 *Pinus pungens*

same

72 *Pinus virginiana*

same

Sept 16, North slope of

quartzite talus, brushy woods

24073 *Menziesia pilosa*74 *Hemamelis virginiana*

common

75 *Menziesia pilosa*76 *Xerophyllum asphodelioides*

fairly common

77 *Diervilla lonicera*Plants growing in open patch of
broken rock

Shen. Nat. Park

175

Plant erect

Small sterile tree 5m. tall

plants ascending, sweet scented, fls.
yellow.
Scrubby tree 5m. tall.

scrubby tree 5m. tall

same

bush 1.5 m. tall, leaves slightly
glaucous beneathbush 1m. tall, fls. yellow - very
few bushes seen with flowersbush 1.5 m. tall leaves slightly
glaucous beneath

caespitose, old fruiting stalk erect

shrub up to 1m. tall, mostly in fruit
but a few yellow flowers on some stems

1945 - Virginia

Sept. 16, Broad flat bench on North
slope

sandy flat and gentle slopes with abundant *Yucca glauca* *placata*, some other shrubs, scattered young pines, *Xerophylla* very common.

24078 *Epigaea repens*
sandy slope, very small colony

79 *Solidago odora*

§ sandy slope, rare.

80 *Xerophyllum asphodelioides*
Very common.

81 *Lycopodium complanatum*
small colony on flat under
brush

82 *Melampyrum linearae* *pectinatum*
occasional on flat

83 *Gálthera procumbens*
Common

Sept. 16, Ridge running North from
near "Rock Castle"

Quartzite ridge, wooded but with
open outcrops

24084 *Aureolaria*
occasional in woods

85 Viola

85 *Viola*
bare, mossy sloping rock outcrop

Sept. 17 - Pinefield, Leanto.

rocky stream-bed

86 *Chelone glabra*

prostrate, mat-like.

Caespitose, ~~and~~ involucre yellow

Caespitose, old fruiting stalks erect
rhizomes deeply buried, plants
sterile.

flowers yellowish-white

Rhizome buried, fruits pendant, red.

ascending, flowers yellow

One open flower seen, violet

caespitose herb 1.3 m. tall, fls.
white with purplish orbicels.

74027 *Lactuca*

common in clearing

88 *Chenopodium*

occasional in clearing

89 *Lespedeza*

roadside

Sept. 17 - just east of
Washington, Rappahannock Co. Va.90 *Campsis radicans*
~~common~~ along pasture fence, bottom91 *Diospyros virginiana*Sept. 21 - near western tip of
Seashore State Park, Cape Henry,
Princess Anne Co. Va.sand flat with scrub
oaks and other shrubby
trees 1 m.92 *Galium hispidulum* Michx.
under trees, common93 *Didymopanax bipinnatum* L.

roadside, small colony

94 *Lespedeza stipulacea*
abundant along roadside

45

Sept. 21 - 1 1/2 mi. e.s.e. of western
tip of Seashore State Park, Cape
Henry, Princess Anne Co. Va. 0 m.
~~near~~ edge of swamp along
highway.some plants up to 3 m.
tall.herb up to 1 m. tall,
larger ones branched.
prostrate, mat. forming.

200 m.

of small valley.

vine climbing on fence,
fls. brick red.
tree 8 m. tall, leaves glaucous
beneath, fruit not quite
mature.plant erect,
roots and rhizomes yellow,
fruit lead-black, fleshy.
fls. yellowforming dense mat-like
growth.

24095 *Diodia teres* virginiana L.
low sandy roadside

96 *Scirpus rubricornis* Fern (S. ~~virginicus~~ det. 77A)
edge of water, sandy much bottom

97 *Juncus canadensis* J. Gay
edge of water, sandy much bottom

98 *Cephalanthus occidentalis*
~~etc~~ in standing water

99 *Hypericum gentianoides*
sandy roadside, uncommon

24100 *Lespedeza striata*
sandy roadside

Sept. 22 - near western tip
of ~~peninsula~~ Seashore State Park,
Cape Henry, Princess Anne Co.
coastal scrub on sand 0-4 m.
dunes and flats.

01 *Paspalum*
grassy roadside, common

02 *Rudbeckia hirta*
grassy roadside, only on sand

03 *Diodia teres* Walt
dunes above beach, common

04 *Zostera marina* L.
shallow sandy bottom
(brought in by fishermen with
gill net)

prostrate, flowers of the
palest lavender. fruits
even in axils well buried
in sand.

dense clump, culms erect,
panicles pendent.
caespitose, culms spreading,
terete, weak.

shrub 3 m. tall, branches
with 2, 3, or 4 leaves at a node
in same plant, uppermost
leading shoot flowering,
flowers white.

prostrate, ~~mat~~

spreading tufts.

rays yellow, disk dark
brown

flowers lavender

sterile

- 24105 *Setaria viridis*
roadside
- 06 *Solidago sempervirens*
wet depressions
- 07 *Salix longipes* var. *wandii* (Nutt.) Schneid.
wet depressions det. CRB
- 08 *Solidago odorata*
shaded sandy slopes, common
- 09 *Bulbostylis capillaris*
wet sandy depression, common
- 10 *Solidago minor*
colonies in open sandy places
- 11 *Lonicera sempervirens*
occasional in edges of thickets
- 12 *Polygonella articulata*
small colony on sandy roadside
- 13 *Cassia nictitans* L. var. *nictitans*
roadside, hard sandy ground
- 14 *Graphalium* ^{*obtusifolium* L.} ~~*polyccephalum*~~
roadside, one seen.
- 15 *Aster*
common locally, roadside and open places
- 16 *Polypremum procumbens* L.
~~seen~~ occasional, open roadside
- 17 *Quercus mailandica*
one seen
- 17 *Lespedeza cuneifolia*
one seen, roadside

tuft, culms spreading
at base.
erect, leaves thick, flowers
yellow.
shrub 1 m. tall, leaves
glaucous beneath.
caespitose, ~~heads and~~
involucres golden yellow.

locally.

rhizomes buried, heads
yellow, corymbose.
woody twiner, leaves
glaucous beneath, flowers
dull crimson without
orange within, fruit scarlet
(rarely flowering now)
erect, ^{woody stem} fleshy green, turning
reddish, ^{not glaucous} flowers pinkish
white.

prostrate from tap root,
leaves sensitive, petals
yellow, anthers pale purplish.
erect. [pods stiffly erect.

erect, branched, up to 1 m.
tall, leaves green, rays
white, disk yellow.
prostrate

shrub 2.5 m. tall, somewhat
grayish green.
erect.

- 24119 *Paspalum*
one clump seen, edge of thicket
- 20 *Solanum nigrum* L.
~~only one seen~~ ^{rare}, roadside
- 21 *Triodia flava* (L.) Smyth
occasional along roads
- 22
roadsides, common
- 23 *Digitaria*
occasional, with #24124
- 24 *Digitaria*
common, with #24123
- 25 ~~Eleusine~~ *Eragrostis spectabilis*
common in sandy open places
- 26 ~~Eragrostis~~ *Eleusine indica* (L.) Gaertn.
common in roadbed
- 27 *Pyrus angustifolia*
2 plants seen, edge of thicket
- 28
small colony in edge of thicket
- 29 *Eriodictyon stimulans*
occasional on landward
side of sand dunes
- 30 *Carex kobomugi* Ohwi
abundant on sand slopes
- 31 *Helianthemum canadense*
rare on sandy slope in open
- Sept. 23 - same
- 32 *Oenothera humifusa*
brushy dunes

- erect clump, older
culms over 1 m. tall.
fruits green, turning
black, fls. white
erect, in small tufts,
panicle drooping purple.
culms ascending, spikes
purplish,
erect, hairy
- erect, almost smooth.
- panicle purple
- spreading tufts
- small shrubs 1.5 m. tall,
sterile.
rays yellow, plant 1 m.
tall
- prostrate, several
stems from deep root;
stinging hairs.
extensively ramifying
below surface of sand,
leaves and spikes
emerging.
- flowers lemon yellow,
leaves gray, entire or almost
so.

- 24133 *Oenothera humifusa*
bushy sand dunes
- 34 *Cyperus filiculmis* det. 7/11 H.
common in open sand
- 35 *Solidago*
only one seen.
- 36 *Diodia virginiana* L.
not common in sand
- 37 *Eupatorium serotinum* Michx. det. 7/11 H.
under bush of thicket
- 38 *Foeniculum vulgare* L.
roadside, not common.
- 39 *Eragrostis pectinaceum*
colony near parking area
- 40 *Cyperus retrofractus* var. *cylindricus* det. 7/11 H.
low wet sandy place, common
- 41 *Cyperus albomarginatus* Mart. & Schrad.
uncommon, low wet sandy place
- 42 *Cyperus lancastriensis* Porter det. 7/11 H.
~~uncommon~~ in low wet sandy place
- 43 *Cyperus iria* L. det. 7/11 H.
common in low wet sandy place
- 44 *Ipomoea*
small colony ~~along~~ near parking place
- 45 *Ipomoea*
small colony near parking place
- 46 *Citrullus vulgaris*
one extensive plant near picnic place

same - mixed woods, mainly oak-hickory, on sand slopes

flowers yellow, petals
obcordate, leaves gray,
toothed.
small spreading tufts

erect, fls. yellow

prostrate, fruit white
and green striped.
decumbent herb, 1 m.
or more long, fls. white.
herb 1.5 m. tall, highly
aromatic, flowers yellow.
spreading tufts

culms spreading to erect

(*C. sabulosus* M. & S.)

same as 24142 det. 7/11 H.
42a *Cyperus odoratus*
42b *Cyperus strigosus*

culms spreading

apparently annual,
twining on weeds, flowers
blue,

apparently annual, twining
on weeds, flowers white, small.
prostrate, flowers
lemon yellow.

- 24147 *Paspalum*
steep sand slope, common
- 48 *Hieracium gronovii* L. ⁷⁰⁹
steep sand slope, occasional
- 49 *Cyperus plukenetii* Fern. ^{det. 874}
steep sand slope, occasional
- 50 *Solidago*
steep sand slope, rare
- 51 *Gnaphalium obtusifolium* L.
~~steep~~ sand slope, occasional
- 52 *Solidago*
steep sand slope, occasional
- same - open forest of
Pinus taeda, along road.
- 53 *Desmodium paniculatum* (L.) DC. ^{det. 1. 1. 1.}
- 54 *Desmodium ciliare* (Muhl.) DC. ^{det. 1. 1. 1.}
- 55 *Desmodium glabellum* (Mx.) DC. ^{det. 1. 1. 1.}
- 56 *Desmodium strictum* (Pursh) DC. ^{det. 1. 1. 1.}
- 57 *Cassia nictitans* var. *hebecarpa* Fern.
abundant locally
- 58 *Cassia nictitans* var. *hebecarpa* Fern.
occasional (not far from # 24158)
- 59 *Paspalum*
occasional
- 60 *Cassia nictitans* var. *nictitans*
common (wetter place than
- same, wet ~~place~~ depressions
along railroad right-of-way.
- 61 *Juncus ~~scirpoides~~*
common
- 62 *Cyperus polystachyos* (Pott.)
common locally in drying pool

erect clumps

flowers yellow

fls. yellow

yellow, mostly
in bloom yet.prostrate, stems
cading to erect.

diffuse

to almost prostrate

spreading

st. diffusely
nibbing, fls. yellow.

caespitose, terete.

spreading tufts.

- 24147 *Paspalum*
steep sand slope, common
- 48 *Hieracium gronovii* L. ⁷⁰⁷
steep sand slope, occasional
- 49 *Cyperus plukenetii* Tuckerm. ^{det. 774}
steep sand slope, occasional
- 50 *Solidago*
steep sand slope
- 51 *Gnaphalium obtusum*
~~steep~~ sand slope
- 52 *Solidago*
steep sand slope
- same - open fr.
Pinus taeda, ac
- 53 *Desmodium paniculatum*
- 54 *Desmodium ciliatum*
- 55 *Desmodium glaberrimum*
- 56 *Desmodium strictum*
- 57 *Cassia nictitans*
abundant local
- 58 *Cassia nictitans*
occasional (not fr)
- 59 *Paspalum*
occasional
- 60 *Cassia nictitans*
common (wetter place than 24157 & 8)
- same, wet ~~place~~ depressions
along railroad right-of-way.
- 61 *Juncus ~~scirpoides~~ ~~sp.~~*
common
- 62 *Cyperus polystachyus* Roth.
common locally in drying pool

erect clumps

flowers yellow

fls. yellow

fls. yellow, mostly
not in bloom yet.caespitose, stems
spreading to erect.

- same

- same

- same

erect, diffuse

erect to almost prostrate

culms spreading

erect, diffusely
branching, fls. yellow.

caespitose, terete.

spreading tufts.

- 24147 *Paspalum*
steep sand slope, common
- 48 *Hieracium gronovii* L. ⁷¹⁷
steep sand slope, occasional
- 49 *Cyperus plukenetii* Fern. ^{det. 718}
steep sand slope, occasional
- 50 *Solidago nemoralis* L. ⁷¹⁹
steep sand slope, rare
- 51 *Gnaphalium obtusifolium* L.
~~steep~~ sand slope, occasional
- 52 *Solidago*
steep sand slope, occasional

same - open forest of
Pinus taeda, along road.

- 53 *Desmodium paniculatum* (L.) DC. ^{det. 720}
- 54 *Desmodium ciliare* (Muhl.) DC. ^{det. 721}
- 55 *Desmodium glabellum* (Mx.) DC. ^{det. 722}
- 56 *Desmodium strictum* (Pursh) DC. ^{det. 723}
- 57 *Cassia nictitans* var. *hebecarpa* Fern.
abundant locally
- 58 *Cassia nictitans* var. *hebecarpa* Fern.
occasional (not far from # 24158)
- 59 *Paspalum*
occasional
- 60 *Cassia nictitans* var. *nictitans* ^{# 24157 & 8}
common (wetter place than
- same, wet ~~flat~~ depressions
along railroad right-of-way.
- 61 *Juncus ~~scirpoides~~ ~~sp.~~*
common
- 62 *Cyperus polystachyos* Pott.
common locally in drying pool

erect clumps

flowers yellow

fls. yellow

fls. yellow, mostly
not in bloom yet.

caespitose, stems
spreading to erect.

same

same

same

erect, diffuse

erect to almost prostrate

culms spreading

erect, diffusely
branching, fls. yellow.

caespitose, terete.

spreading tufts.

- 24/63 *Trinena squarrosa*
occasional in drying pool
- 64 *Rotala ramosa*
occasional in drying pool
- 65
clump in drying pool
- 66 *Panicum*
common in drying pool
- 67 *Polygonum*
in pool of water
- 68 *Diodia virginiana* L.
in pool of water
- same low wet place
- 69 *Ascyrum hypericoides* L. det. R. M. S.
rare
- 70 *Panicum*
common
- 71 *Panicum*
uncommon
- 72
common locally
- 73 *Lespedeza procumbens* det. 2/11
along road, occasional
- same - low oak woods
on sand dunes
- 74 *Longchestrum nutans*
along road
- 75 *Graphalium obtusifolium*
rare
- 76 *Galium pilosum*
one plant seen

spreading small tufts,
heads green
plant tinged with red.

spreading.

fls. white.

fls. white, ^{sparsely} lobes pilose

low bush

spreading tufts

spreading tufts.

culms ascending

culms erect, panicle
pendant.

192

1945 - Virginia

24177 *Hieracium gronovii* L. 787.
rare, one plant seen

same - *Pinus taeda*
woods, along road
8 *Lespedeza cuneifolia*
small colony

79 *Strophostyles helvola*
small colony seen

Sept. 29 - same, low oak woods
on sand dunes

80 *Diodia teres* Walt.
sandy openings

81 *Polygonum dumetorum*
twining on brush

82 *Galium hispidulum* Michx.
steep sandy slopes

Sept. 24 - about a mile west of
east end of cut-off highway,
Seashore State Park, Cape Henry,
Taxodium - *Nyssa* swamp
with black water and
sandy flats adjoining it.

83 *Andropogon*
very abundant along
roadside. (with #24184)

39 *Andropogon*
occasional along roadside
(with #24183), even in edge of water

85 *Solidago*
small colony along roadside

Cape Henry State Park Princess Anne Co.
193

flower yellow.

fls. white with purplish
keel, plants erect,
wingate.
- fls. pink, keel
purple, twisted.

wiry, fls. lavender

erect clumps, stems
glaucous (not intergrading
- with #24184, not so tall)
erect clumps, stems green,
(not intergrading with #24183,
taller, tops nodding)
erect, heads yellow

24186 *Nyssa sylvatica* var. *biflora* (Walt.) Sarg.
one of dominant trees in
swamp, growing in water

87 *Panicum*
abundant on small sand
bank along road

88 *Ludwigia alternifolia*
edge of water

89 *Smilax rotundifolia*
edge of water

90 *Mitchella repens* L.
sand flats and to edge
of water

91 *Lyonia ligustrina*
in water

92 *Paspalum*
near edge of water, common

93 *Utricularia*
in water, submerged

94 *Lyonia ligustrina*
just above edge of water

95 *Berchemia scandens*
thicket at edge of water

96 *Solidago*
in edge of water

97
growing in water

98 *Fagus*
sand near edge of water

tree 15 m. tall, ~~dark~~ thick,
swollen at base, (others
much larger), these
specimens taken from
basal shoots, fruit
black, fleshy.
culms erect to ascending
from basal tuft of leaves

erect, suffrutescent
- 15 m. tall, stem ^{tending to be} ~~spongy at base~~
woody vine climbing
many feet into trees,
fruit not quite ripe
- on upper branches.
prostrate, mat forming,
fruit scarlet.

bush 2 m. tall

tufts, culms spreading

stems up to 1 m. long,
sparsely branched
shrub 15 m. tall

woody vine tangled in thicket
sterile.
erect, fls. yellow.

mostly sterile.

Trees 10 m. tall, bark
gray even to twigs.

196

1945 - Virginia

- 24199 *Lycopus*
edge of water, common
- 24200 *Bidens discoides* (T. G.) Britt.
edge of water, common

Sept. 24 - cut off highway
about middle, Leashore
State Park, Cape Henry,
roadside in cypress swamp

- 01 *Polygonum pennsylvanicum*
occasional
- 02 *Erechtites hieracifolia*
common

Sept. 25 - western edge of
Leashore State Park, Cape Henry,
Princess Anne Co. sand flats

- 03 *Carex longii* det. 79.H.
pine forest, rare
- 04 *Galactia regularis* det. 79.H.
pine forest, common everywhere
- 05 *Gelsemium sempervirens*
pine forest, common

- 06 *Chrysopsis graminifolia*
pine forest, common

- 07 *Opuntia*
common in brushy coastal sand dunes

Sept. 25 - Norfolk, Norfolk Co.

- 08 *Atriplex*
weedy places on waterfront

Cape Henry, State Park.
Princess Anne Co. 197

long stolons, some bearing
fusiform enlargements, fls. white.
erect, brittle, fls. yellow

erect, flowers pink
fls. yellowish

prostrate, dull green

fruits on short arching
branches, sterile branches
prostrate, up to several
m. long, straight.
fruit compressed.
flowers bright yellow

~~erect~~ prostrate from
tuberous root, joints
lying flat, fruits turning
red.

dull green, recumbent
much branched herb 1-1.5 m. long.

A.

Sept. 29 - Sleepy Hollow 1 mi.
S. of Falls Church, Fairfax Co.
wooded bottom land 80 m.

24209

Callitriche

~~moist~~ damp ground in small garden
partly shaded.

~~Sept~~ Oct. 14, same

10 Botrychium dissectum L.
weedy woods, occasional

11 Polygonum pennsylvanicum
disturbed ground in pasture
and recent clearing nearby

12 Polygonum pennsylvanicum
cultivated ground

13 Polygonum
cultivated ground

Oct 14 - bank of slough just
across from Washington Island,
near end of Memorial Bridge,
Arlington, Va. 3 m.

14 Liriodendron
climbing extensively on bushes

15 Acer negundo L.

16 Acer negundo L.

17 Acer saccharinum L.

18 Polygonum

abundant

small tufts

(*P. obliquum* ~~is~~ is
found in same general area)
- mass coll. from same colony
as Fassetts mass coll. made
in August. The more leafy
plants are from more sheltered
places. Some variation in flower
color but not much, most
are quite crimson.
- ~~considerable~~ Mass coll. to
show variation in flower
color - considerable variation
from crimson to pale pink
but most plants crimson.
- flowers deep crimson

herbaceous vine

Tree 12 m. tall, 2 dm. thick, stems green,
seedlings 2 m. tall, stems green
- tree 20 m. tall, 5 dm. thick, leaves white beneath,
twining on bushes

19 200

1945 - Virginia

Oct. 18, Sleepy Hollow, 1 mi. s. of Falls Church.

24219

Berberis thunbergii

shaded in wooded bottom-land

20

Acer rubrum L.

24:

second growth woods on bottom-land
in and around edges of woods

Fairfax Co.

201

spindly bush 1 m. tall, fruit orange-red.

shrubs and small trees 1-5 m. tall
mass coll. of one leaf from each
of 109 plants, not selected
except for well developed autumn
coloring and undamaged outline.
These sorted into those with ^{very} no
red color (6), those with red petiole
and yellow blade (65), those with
reddish petiole and yellow blade
with one reddish patch (3) and
those with reddish petiole + blade (35)

Herbarium specimen still green.

Shaded plants all have blades
yellow, those in sun either
yellow or reddish. blades on
3 trees that were transplanted 4 years
ago from shade to sun were yellow.

No extensive variation in a single plant
as far as color is concerned.

Oct. 19 - Arlington (Lyon Park),
Arlington Co. Va.

weed in garden, somewhat shaded
21 *Polygonum scandens* L.

Oct. 21 just n.w. of Woodville
Mass.

22

Acer rubrum L.

mixed woods on top of low
rounded rocky hill

of 58 - 17 are red or reddish

41 are yellow with

red petiole

(1 bush yellow with a few red lvs.)

herbaceous twining vine, climbing
into small trees, fruiting calyx pale green.

mostly bushes and young
trees, some larger, somewhat
shaded. Mass coll. to show
variation of autumn coloration -
one leaf from a plant, selected
only to show good coloration and
complete outline.

1945 - Massachusetts

4200

Oct. 21 3 mi. s. of Westboro

24223 *Acer rubrum* L.

swampy edge of
meadow at lower
edge of patch of woods

seedlings and
small bushes
mass. coll.
as in 24211

6 yellow
with red
petioles

32 red

24224 *Acer rubrum* L.

upper edge of same
woods as 24223 along
dry semi-shaded
roadside

small
bushes
and sprouts

7 yellow with
red petioles

15 yellow
tinged with
red

12 red or
orange.

